Exhibit

2

```
Page 1
 1
                  UNITED STATES DISTRICT COURT
                  SOUTHERN DISTRICT OF FLORIDA
 2
                 CASE NO.: 1:24-cv-00779-JPH-MKK
 3
 4
     MAX MINDS, LLC,
 5
            Plaintiff,
 6
     V.
 7
     TRIANGLE EXPERIENCE GROUP, INC.,
     ROBERT EDWARD CLARE, JEFFREY MASE,
 8
     KEVIN G. MULLICAN and JOHN DOES 1-10,
 9
            Defendants.
10
11
                          Loudoun County, Virginia 20165
12
                          Wednesday, 10:05 a.m. - 12:29 p.m.
                          February 19, 2025
13
14
15
16
17
                        CONFIDENTIAL
18
19
           VIDEO CONFERENCE DEPOSITION OF NICK FERRARA
20
21
             Taken on behalf of the Plaintiff before
22
     SANDRA GOLDMAN FREDERICKS, Florida Professional
     Reporter, Notary Public in and for the State of Florida
23
24
     at Large, pursuant to Notice of Deposition of Nick
     Ferrara in the above cause.
25
```

| | | Page 2 |
|----|---|--------|
| 1 | APPEARANCES VIA VIDEO CONFERENCE: | |
| 2 | AFFEARANCES VIA VIDEO CONFERENCE. | |
| | I CAMPDELL MILLED ECOLLIDE | |
| 2 | J. CAMPBELL MILLER, ESQUIRE | |
| 3 | JOEL B. ROTHMAN, ESQUIRE (Pro Hac Vice) | |
| | SRIPLAW, P.A. | |
| 4 | 21301 Powerline Road, Suite 100 | |
| | Boca Raton, Florida 33433 | |
| 5 | Attorneys for Plaintiff | |
| 6 | RAIGHNE C. DELANEY, ESQUIRE | |
| | BEAN, KINNEY & KORMAN, PC | |
| 7 | 2311 Wilson Boulevard, Suite 500 | |
| | Arlington, Virginia 22201 | |
| 8 | Attorney for Defendants | |
| 9 | | |
| | ALSO PRESENT: | |
| 10 | | |
| 11 | Brandon Fischer | |
| | Jordan Abisror | |
| 12 | | |
| 13 | | |
| | INDEX | |
| 14 | | |
| | WITNESS | PAGE |
| 15 | | |
| | NICK FERRARA | |
| 16 | | |
| | Direct Examination by Mr. Rothman | 4 |
| 17 | Cross-Examination by Mr. Delaney | 91 |
| | Certificate of Oath of Witness | 96 |
| 18 | Letter to Witness Re: Reading | |
| | Witness Signature Page/Errata Sheet | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 20 | | |
| | | |

| | | COTTIBLITITIE | |
|----|---------------------|--|----------|
| | | | Page 3 |
| 1 | | EXHIBITS | |
| 2 | | | |
| | PLAINTIFF'S | | |
| 3 | NUMBER | DESCRIPTION | PAGE |
| 4 | | | |
| | Exhibit 1 | Expert Report of Nick Ferrara | 5 |
| 5 | | | |
| _ | Exhibit 2 | | _ |
| 6 | | Vocabulary | 5 |
| 7 | Exhibit 3 | Declaration of Janna Clare | 19 |
| 8 | Exhibit 4 | Declaration of Robert Clare | 20 |
| 9 | Exhibit 5 Exhibit 6 | Declaration of Kevin Mullican Declaration of Robert Simon | 21 71 |
| 11 | Exhibit 7 | End User License Agreement | 21 |
| 12 | Exhibit 8 | | 22 |
| 13 | | E-mails from Azure DevOps to | 22 |
| 10 | | various recipients | 75 |
| 14 | | various recipients | , 5 |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| | | | |

| | Page 4 | | |
|----|--|--|--|
| 1 | Thereupon: | | |
| 2 | NICK FERRARA | | |
| 3 | was called as a witness and, having been first duly | | |
| 4 | sworn and responding, "I do," was examined and testified | | |
| 5 | as follows: | | |
| 6 | DIRECT EXAMINATION | | |
| 7 | BY MR. ROTHMAN: | | |
| 8 | Q. Good morning, Mr. Ferrara. | | |
| 9 | A. Good morning. | | |
| 10 | Q. Have you ever had your deposition taken before? | | |
| 11 | A. I have. | | |
| 12 | Q. How many times? | | |
| 13 | A. About a dozen at this point, I think. | | |
| 14 | Q. Okay. Great. | | |
| 15 | I'm going to be asking you some questions. | | |
| 16 | Since you've had your deposition taken before, | | |
| 17 | have you had it taken remotely like this over Zoom? | | |
| 18 | A. Probably half of those times at this point, I | | |
| 19 | think. | | |
| 20 | Q. Great. Okay. So you probably know how to handle | | |
| 21 | this. | | |
| 22 | Just a reminder, let's try and talk not over | | |
| 23 | each other so that the court reporter can get my | | |
| 24 | questions and your answers clearly. All right? | | |
| 25 | A. For sure. | | |

Page 5

- Q. And if there's anything you don't understand, let me know, and we'll repeat it or have it read back.
 - A. Will do.
 - O. Great.

1

2

3

4

5

6

8

9

10

11

12

13

19

20

21

22

23

24

25

So you have exhibits that we sent and they all have numbers beginning — in the file names beginning with 001 and 002, et cetera, and I'd like to have you open Exhibit 1, which is entitled "Expert Report of Nick Ferrara", and Exhibit 2, which is a document called "Systems and software engineering — Vocabulary".

(Thereupon, the above-referred to documents were premarked as Plaintiff's Exhibit Numbers 1 and 2, respectively, for Identification.)

- 14 BY MR. ROTHMAN:
- Q. Let me know when you have -- if you have those open.
- 17 A. I have them both open.
- 18 Q. Great. Thank you.

So Exhibit 1, is this the expert report that you prepared in the case we're here on today that is dated January 31st, 2025?

A. I'll double-check the date for you. Just one moment.

Yes, although it looks like some highlighting has been added on a lot of the pages.

Page 6 1 0. Yeah. There might have been some highlights that 2 I put in. 3 Other than the highlights, does it appear to be 4 the expert report that you submitted in this case? 5 Α. I think so. 6 Okay, great, and the signature at the bottom of 7 page 26 is yours? 8 Α. It is. 9 Okay. It's not indicated to be submitted under 10 penalty of perjury, but is everything contained in this expert report, as far as you know, the truth based on 11 12 your personal knowledge? It is. 13 Α. So we have your CV, which is attached, I'm going 14 15 to skip over that, and I'd like to start by going to the 16 Executive Summary on page 8 and I want to direct you to 17 paragraph 16, and in the first sentence of paragraph 16, 18 you say, "The record indicates that TEG worked jointly with Max to complete technical work involved in 19 20 developing the Haptic Federal software." 21 MR. ROTHMAN: Ms. Goldman, haptic is 22 h-a-p-t-i-c. 23 THE COURT REPORTER: Thank you. 24 BY MR. ROTHMAN: 25 Q. Do you see that, Mr. Ferrara?

Page 7 1 Α. I do. When you say "the record indicates", what 2 Okav. 3 are you referring to? So the various materials that I have in my report 4 5 is probably the easiest way to summarize that. You know, there are -- go ahead. 6 7 The -- so you mean Attachment 2 where you Q. 8 list materials that you relied upon in preparing your 9 report? 10 Α. Let me look at Attachment 2 again. 11 In general, I think that's true. 12 In other words, all of those documents, that's basically, I think, all the material that were 13 14 produced to me that I've considered in this case. 15 Okay. Well, so but does Attachment 2 contain a 16 list of all the materials that you considered in connection with preparing your expert report? 17 18 Α. I need to take a look. In general, I think the answer is yes. 19 20 It is possible certainly there is some things 21 further cited in some of the footnotes in the report 22 that might have (inaudible) my attention. 23 In general, I try and cite the salient points in 24 footnotes and have sort of a comprehensive listing in 25 Attachment 2 of it should be everything, but I mean it's

Page 8

certainly possible there's things in the footnotes that are relevant to that as well.

- Q. Okay. So when we're talking about "the record" in paragraph 16, you mean either documents that are listed in Attachment 2 or materials that are cited in footnotes to the report?
- A. Yeah. I mean I guess I'll clarify that for you.
- Q. All right.

A. You know, when I'm talking about the record, I'm talking about materials that have been produced in this case.

Obviously there are other materials such as publications or industry standards that I'm citing to as well, but it's not really part of the record per se.

I'm really referring here to materials produced in the case.

- Q. Okay, but for clarity, all the materials that were produced in the case that you looked at and relied upon, right, are listed either in Attachment 2 or is referred to in footnotes; correct?
- A. In general, I think that's true. It's certainly possible there's, you know, stuff that just didn't make it into Attachment 2, but as best as I can recall, I think that's what's been produced to me.
 - Q. How did you receive the materials that are listed

Page 9

in Attachment 2; in other words, did you get sent a link to download them from someone or were you given access to a computer system or were you given paper copies?

How did you get them?

A. It probably varies for the specific material.

You know, I think some of this probably was documents that were e-mailed. I would think some of it also was probably sent via some sort of file sharing site. You know, I don't recall the specifics of the exact transmission medium that was used for each of these as I sit here at this moment.

Q. Okay. We -- there's been documents that have been produced in the case by each side.

Did you get to choose which documents you would look at or were they just all -- all the ones in Attachment 2 were just provided to you and without your ability to select which ones you wanted and which ones you didn't want?

- A. Well, I mean I -- my general recollection is I was given, you know, here's a folder of documents or here's a set of documents, and I could just look at all of them.
- Q. Got it, and who gave you those; do you remember the person?
 - A. No.

Page 10 1 Was it an attorney working for the Bean Kinney 2 firm? 3 Α. I think that's right. I couldn't tell you who specifically gave me these documents from, you know, six 4 5 months ago. 6 All right. Do you remember when several --7 Α. No. 8 Q. -- months ago is? 9 Α. No. 10 So looking back at your report, you say in the second sentence, "analysis of the parties' source code 11 corroborates TEG's position that it provided key 12 13 architectural designs that Max used in the development 14 of the Haptic Federal software". 15 Now, if you can turn to Attachment 2, can you identify for me what you're referring to on Attachment 2 16 as the parties' source code that you did analysis of? 17 Α. 18 I'm sorry. Attachment 2? Yes, Attachment 2. 19 0. 20 Sorry. I misheard Exhibit 2 for a moment there. Α. 21 Give me a moment to scroll down. 22 0. Sorry. 23 No, no, I -- my bad. Α. 24 Sure. 25 So this is the source code that's listed at the

Page 11

top of page 1 on Attachment 2, the first section being
"TEG Source Code Repository Data", which starts with
repository named "aces" and goes down through depository

named "VJOC-Client-main" --

Q. Okay.

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

A. -- and the source code under the heading "Max Source Code Repository Data", which since there's just four of them, I'll just list them,

and I think all of those listed in the section under both "TEG Source Code Repository Data" and "Max Source Code Repository Data", those should all be source code repositories.

- Q. Okay. The ones listed under "Max Source Code
 Repository Data", the four items there that you read
 into the record, those you reviewed on the source code
 review computer that you examined at the offices of Bean
 Kinney; correct?
 - A. That's correct.
- Q. Okay. With respect to the ones above that under "TEG Source Code Repository Data", starting with "aces", how did you go about reviewing the source code repository for ACES?
 - A. Can you be more specific?
- Q. Well, was it something where you were given files

Page 12 1 that you downloaded and examined on your own computer or did you go to a facility to review it; how did it come 2 3 about? So I was provided with copies of the repositories 4 for these files and used --5 6 Q. Okay. -- industry standard tools to be able to review 8 and analyze the source code. 9 Okay. So you did all the analysis in your office, not at a remote location? 10 11 I think that's correct. Α. I think this was all provided to me fairly early 12 13 on before the parties sort of got into their dispute 14 over the mechanism by which the source code was going to 15 be produced. 16 So I'd have to go back and check, but that's my 17 recollection. 18 Q. Okay. So with respect to ACES, what format was the repository in; was it in Git format or some other 19 20 format? 21 Yeah, I'm pretty sure all of the repositories 22 listed here are Git repositories. 23 THE WITNESS: And for the court reporter, Git is G-i-t. 24 BY MR. ROTHMAN: 25

Page 13 1 Q. Okay. All right, and do you recall -- now, when we talk about a repository, that's actually one of the 2 definitions in Exhibit 2. 3 So is it correct that in footnotes to your report, 4 you refer in a number of places to the standard, 5 "Systems and software engineering - Vocabulary", that's 6 7 marked as Exhibit 2 for the definition of terms? 8 So just to make sure I understand your question --9 would you repeat it? I think there were a few (inaudible) --10 11 Ο. Yeah. 12 -- that I'd like a little clarity, please. 13 Is it true you refer throughout your report to 14 definitions of terms contained in "Systems and software engineering - Vocabulary" marked as Exhibit 2? 15 16 Yes, that's correct, and just to be clear, I've also referred to that as ISO 24765. 17 18 That's referenced back to the systems ISO international standard. 19 20 Okay. If I refer to Exhibit 2, you'll know what I 0. 21 mean though; right? 22 Sure. Α.

Veritext Legal Solutions

repository, and it's 3.3415.

O. Great.

23

24

25

800-726-7007 305-376-8800

So there is a definition in Exhibit 2 of

Page 14

When you're using the term "repository", are you using that term as it's defined in Exhibit 2?

- A. You'll have to give me a minute to review the definition.
- Q. And there are actually bookmarks in the document I sent to many of the terms. If you open the bookmarks panel, you might be able to get there a little guicker.
- A. Actually you providing the -- oh, yeah, that's fair. Okay.

I was going to say, if you just give me the line item number like you did, 3.3415, that was perfectly fine too, and, in fact, I might ask you to do that.

Repository is -- oh, no, it is listed out.

Okay. Let me just review the definition. So give me a moment.

I mean I would say insofar as these sort of more general definitions are consistent with a Git repository, which is a version control management program, and the technology used to store changes to source code over time, I would say that's consistent.

O. Great.

Now, it's my understanding that Git repositories will have information contained in them indicating, for example, a name or e-mail address of a person who submitted code into the repository.

Page 15 1 Is that your understanding? That's generally correct, yes. 2 3 In the course of your analysis, did you examine the names or e-mail addresses of the people who were 4 5 submitting code into the Git repositories listed at the top of Attachment 2 to your report? 6 I believe I did as part of my review of the code. 8 Okay. Did you make notes about that or keep a 9 record of those names or e-mail addresses anywhere? I don't think so, no. 10 Α. 11 Okay. It's my understanding also that when there 0. 12 is a submission or something called a commit to a Git 13 repository, it will also indicate a date that -- or 14 potentially multiple dates if the code is subsequently 15 revised, that the code was submitted to the repository. 16 Is that your understanding? That's correct. 17 Α. 18 Q. Okay. Did you take note and memorialize the dates for any of the commits in the repositories listed at the 19 20 top of Attachment 2? 21 I would say yes to that. 22 Okay, and where is that information; did you --23 'cause I don't see -- with respect to the "aces", which

Veritext Legal Solutions 305-376-8800

is the first repo (phonetic), did you keep notes as to

dates of commit for that one?

24

25

Page 16

A. Give me one moment to check. I might be able to point you to a specific footnote.

So in general, I refer you to footnotes 18 through 21 in which I refer to commits from particular TEG source code repositories, which are listed in quotes, and I provide both specific files at particular commits as well as dates for those commits.

So, for example, in citing to this particular item in footnote 18, that's a TEG source code repository, double guotes,

unquote, and then parenthetically, (June 12th, 2018), at a particular line with a parenthetical description after that describing --

- Q. You're reading -- yeah, you're reading from footnote 18.
- A. I am, and the point I'm trying to make is if you look, for example, midway through that first line, where it says "e4d4aa", that is the first six characters of a particular commit.

That's a typical approach for identifying commits. They are listed commit and colon followed with the path, the particular file in the source code repository, and I've noted parenthetically the date of that particular commit.

Page 17

Now, I will also note for full context, if you look further down at, for example, footnote 20, where I have "TEG source code repository , at -- you know, I'm sorry. That's actually a bad example.

There may be one or two here where I've referred to the commits generally because there is something that is broader or might be a commit message, for example, that is specific to the entire commit rather than changes to a certain file.

So it is typically listed in my footnotes where I'll just say, you know, at commit hash line and then the six characters of the start of the commit hash ID, and forgive me. I don't know how technical you are. If there's a concept or term I throw in there by reflex, let me know and I can explain it.

Q. I definitely will, but I am pretty technical, but if I have questions, I'll let you know.

So but let me ask you, going back to the beginning of footnote 18, where you say, "see, for example, TEG source code repository" okay, which item are you referring to listed at the top of Attachment 2?

- A. The transaction-manager repository.
- Q. Okay. I see.

 So item -- the fourth bullet down, --
- A. Correct.

Page 18 1 Q. -- the 2 Α. Correct. Okay, and whenever you refer to TEG source code 3 repository, in the footnotes that follow, are you always 4 5 referring to that transaction-manager item? Α. 6 No. 7 So what is the transaction-manager; what Q. Okay. 8 can you tell me about that repository? 9 I would have to look back at each one of these to 10 give you a better summary description. 11 There are particular items I've cited to that are 12 relevant here. 13 That is, I recall, a back end component of the software as provided, --14 15 Yeah. Ο. 16 -- and I've cited the particular file's 17 description, but I would have to go back and look at the 18 source code to give you a full explanation. 19 I got it. 0. 20 In the repositories, there are README files which 21 provide sometimes some summary indication. Those are 22 probably the easiest way to summarize their 23 functionality, but I don't have those in front of me. 24 Q. Okay. Did you create a file name listing of all 25 of the files in the repositories listed at the top of

Page 19 1 Attachment 2? I don't think so. 2 Α. 3 0. Okay. Is that something that you could do? 4 As a technical matter, sure. We'll come back and we'll go through some more 5 0. specifics about that in a moment. 6 7 So if we go back to middle of page 8, paragraph 8 16, you say that your analysis corroborates TEG's 9 position that it provided key architectural designs. What do you mean by key architectural designs? 10 11 So for this, I would refer you to, I'll give you Α. 12 the exact citation, paragraphs 26 through 29 including 13 29's subcomponents. 14 These are fundamentally the organizational 15 components that are at the heart of how the source code I analyzed operates. 16 17 Q. Got it. Okay. 18 So I want to ask some other questions about some other documents before we go further. 19 20 (Thereupon, the below-referred to document 21 was premarked as Plaintiff's Exhibit Number 3 for 22 Identification.) 23 BY MR. ROTHMAN: So Exhibit 3 is a document called "Declaration of 24 Janna Clare". 25

Page 20 1 Did you review that document at all in preparation 2 for your expert report? 3 I'm not sure. Α. I know I had seen some of the papers and 4 attachments that have been or some of the attachments 5 that were included as exhibits to the parties' most 6 recent motions. I just don't recall if this is one of them offhand. 8 9 Q. Okay. I'm asking specifically about the declaration part that begins the exhibit, not about any 10 11 attachments. 12 Α. No, I understand. 13 I think this may have been an attachment to 14 something that was recently provided. I just don't 15 recall for sure. It looks familiar, but I'm not 16 positive. 17 (Thereupon, the below-referred to document 18 was premarked as Plaintiff's Exhibit Number 4 for 19 Identification.) 20 BY MR. ROTHMAN: 21 Q. Okay. What about the "Declaration of Robert 22 Clare" that begins on the second page of Exhibit 4? 23 Exhibit 4, give me one moment. 24 I'm not sure.

Veritext Legal Solutions 305-376-8800

25

Page 21 1 (Thereupon, the below-referred to document 2 was premarked as Plaintiff's Exhibit Number 5 for 3 Identification.) BY MR. ROTHMAN: 4 Okay. What about the "Declaration of Kevin 5 Mullican" that -- in Exhibit 5, that begins Exhibit 5? 6 Give me one moment to review the document. 8 I think the answer to that is yes. 9 Q. Okay. 10 Α. I think I was provided with this fairly recently. 11 Okay. Did you rely on that for any of the Ο. opinions you give in your report? 12 13 Α. No. 14 Although I think it is consistent with my 15 understanding of TEG's position, I don't think this was 16 available. 'Cause this was executed January 30th, I'm not sure if I saw this prior to that, but I think it is 17 18 consistent with my understanding of TEG's position. 19 (Thereupon, the below-referred to document was 20 premarked as Plaintiff's Exhibit Number 7 for 21 Identification.) 22 BY MR. ROTHMAN: 23 Q. Okay. Exhibit 7 is an "End User License 24 Agreement". 25 Did you review that and rely on it at all in

Page 22 1 connection with providing your opinions? So you have two questions in there, I think. 2 3 Could you just repeat it and maybe break that apart for me? 4 5 Did you review this prior to providing your opinions and did you rely on it? 6 7 I am not sure if I have reviewed it. I don't have 8 a Bates number on this document, so I can't check that 9 one way or the other offhand, and I do not believe I relied on it for any of my technical analysis. 10 11 (Thereupon, the below-referred to document 12 was premarked as Plaintiff's Exhibit Number 8 for 13 Identification.) BY MR. ROTHMAN: 14 15 What about the next -- same question for the next document, Exhibit 8, the "Source Code License 16 17 Agreement". 18 Just for my own clarity, the document has a sticker on it that says "Exhibit 8", but the document's 19 20 also labeled "Exhibit 6". 21 Should I be going by the sticker and the file 22 name? 23 Just don't go with the Exhibit 6 name that's in 24 the middle of the page. It's the same -- it's the 25 Exhibit 8.

Page 23

- A. Okay. So use the file name, the 00 8 as the --
- Q. Yes, please.

1

2

3

4

5

6

8

10

A. Okay. All right.

I may have seen this. I don't recall when.

Obviously I believe I've seen this -- well, I certainly saw this when you sent it ten minutes ago. I don't

Again, this document's not Bates numbered. So I

9 can't easily check that.

recall if I saw it before.

- Q. Okay, but you didn't rely on it at all?
- 11 A. For the technical analysis, I don't think so, no.
- Q. Okay. Did you rely on any agreements for your
- 13 analysis?
- A. I don't think I'm relying on any agreement. I had an understanding of certain agreements, but I think my analysis was all just based straight upon analysis of the source code and the other material cited in the
- 18 record.
- 19 Q. So did you find -- in your review of the source
- 20 code on the review computer in the four repositories
- 21 listed on Attachment 2 under "Max Source Code Repository
- 22 Data", did you find any source code that was written by
- 23 | anyone at TEG?
- 24 A. So that particular question is difficult to
- answer. Both given the constraints on the review

Page 24

computer and the fact that the source code has been isolated, it's difficult to do any side by side comparison.

I know, if I recall from some of the declarations, that there are references — or maybe it was from some of the testimony, there are references to pseudo code or other information that was provided. So it would be hard for me to answer that without being able to do a full side by side comparison.

Obviously that's separate from my opinion regarding the architectural similarities that are pointed out in my report, but in terms of actual source code, I would need both sets of data on one computer to do any side by side comparison.

- Q. Understood, but is the answer to the question considering the constraints of your review, is the answer to the question that you didn't find any source code authored by anyone at TEG on the review computer?
- A. I don't think I've offered an opinion on that. I think the constraints on that are, you know, I haven't been asked to get into the weeds of where did each line of code come from except insofar as that the architectural similarities, as I've pointed out in my report, are things that are -- well, I'll rephrase.

The architectural similarities in the source code

Page 25

that was on the review computer are the same as the architectural elements that are present in the earlier source code that I've reviewed that was provided by TEG.

That I would say is the same and I understand that that might have some bearing on that question.

In terms of specific lines of code, I'm not in a position to do that analysis the way the code has been produced at this time.

- Q. Okay. So your engagement, you were not asked to determine where did the code come from; is that my understanding?
 - A. No, I wouldn't say that.

I would say that what I was asked to do was to analyze the source code particularly as it pertains to what's in the record related to what TEG developed vis-à-vis the source code on the review computer.

So, you know, in the particular context of what we're looking at here, that is architectural analysis.

That is distinct from the question of analyzing individual lines of source code and saying, this line of source code was written by this person or that person.

Q. Okay. You used the phrase a moment ago, "what TEG developed"; right?

In other words, you were looking at, what did TEG develop that was in my client's source code; right?

Veritext Legal Solutions 305-376-8800

Page 26

A. Well, a couple of things.

First and foremost, you said your client's source code.

Are we talking about the source code on the review computer?

- Q. Yes, Max's source code.
- A. Well, okay, I -- first, again, just to be clear, my -- I'm happy to refer to it as the source code in the review computer, but my understanding is the ownership of that source code is at issue.

So just so the record is clear, when we're talking about what you have referred to as Max's source code,

I'm only referring here to the source code in the review computer.

I have no opinions on the ownership of the source code. Those are legal issues outside the scope of my report just so that's clear for everything.

- Q. Okay. Agreed.
- A. With that said, perhaps you could repeat your question just to make sure I give you a complete answer to it.
 - Q. Thank you.

So it was not part of what the -- what you did in your analysis to determine whether TEG developed any of the source code on the review computer?

Page 27

A. Well, I think that's conflating sort of an idea that we're looking at individual lines of source code versus the underlying designs that are used to implement the system.

You know, I mean you -- to the extent that the TEG source code implements those designs and those designs are then present later in the source code on the review computer, I'd say that is part of my analysis.

To the extent we're talking about looking at each line of code, that's not something that can easily be done based on the constraints that were placed on the review computer, and so, you know, the -- I think, again, the architectural analysis is really what we're talking about in terms of designs that were developed by TEG that then get implemented in the source code on the review computer.

- Q. Okay, and when you're talking about "designs that were developed by TEG", you were referring to the detail that you put into your analysis beginning at paragraph 21 of your report under the heading "Design"?
 - A. In general.

Obviously the findings are more specific as you get down into that. That section includes some methodology and some further background, but in general, that is correct.

Page 28

Q. Okay. So what was it that you determined TEG designed?

A. So there is several elements of the architecture that I point to in my report and these are covered in paragraph 29 and its respective subparts.

So one element of it is the concept of a single message box or a source of information that is used to distribute messages to all connected users.

As I point out, that serves the same function as the board that is in the source code on the review computer.

Another is the use of WebSockets as the transmission technology, for lack of a better term, to send and receive data to clients connected to the software, and it -- further, the attachments or rather the components that are used for certain types of media that are stored on the boards or in the message boxes, however you want to phrase it, related to chat and video streaming functionality.

The same general organization for how those components are laid out in the software, their purpose and how they interoperate is the same as what's in the source code on the review computer.

Q. Okay. So summarizing, one, the architectural concept of a board; two, the use of WebSockets; and

Page 29

three, the use of components for media such as chat video; is that an accurate --

A. I would say it's probably you've gone a little too high level.

It's not necessarily, for example, just the architectural concept of the board but how it fits into the system as a whole and how it interoperates with the other components.

I think all of how those pieces fit together is centered around the board as part of the architecture as well.

- Q. Okay. So in the course of your review leading to your opinions in your report, were you given any design or architectural documents that were authored by someone at TEG that laid out these three items?
- A. I would say this is based on my analysis of the code.

I would also say to the extent there are README files or other documentations that are included in the source code, that's relevant too. That provides some overview in some of the components I seem to recall.

I don't know that there are other documents beyond that, but my analysis is all based on the source code directly and what's in those repositories.

Q. Okay. So there is an item, a vocabulary item, in

Veritext Legal Solutions 305-376-8800

Page 30

in Exhibit 2. It's item 3.1164 called "detailed design description".

Did you see anywhere in your review a detailed design description authored by someone at TEG?

A. I don't think so.

It's not necessarily something that is always produced when you're developing source code, but it -- I don't recall seeing one for this particular project.

- Q. Did you see any indication that there was ever a detailed design review conducted, which is defined in 3.1164?
- A. That's something that would come typically, I would say, later in the software development process.

You know, I think of -- for context, I've had cases where, for example, in the development of software for the healthcare industry, you know, oftentimes, if you're using a software development lifecycle such as those promulgated by the Center for Medicare Services, they'll have specific phases where they say, you're going to do your development, and then there will be a detailed design review phase where, you know, all the documents you've built, which we've required as part of a particular project, are going to be examined.

So that happens in some projects based on the specific nature of what's going on and how the

Page 31

development is being done. That's not necessarily relevant for what we're looking at here.

- Q. Okay. Did you see any documentation other than what you saw in the source code that laid out the design requirements written by someone at TEG for the three items that you identify?
- A. I don't know that I've seen anything in terms of requirements for -- we're talking about the items in paragraph 29; right?
 - Q. Yes.

A. I don't know that I've seen anything that provided requirements that were written earlier on for that.

Certainly all of that code, if you look in the repositories developed between 2017 and 2018, I don't think anything I've seen dates back to that period for specifically those requirements.

There's obviously other requirements that are, you know, elsewhere in the record, but I don't think there's anything for that time period.

- Q. Okay. Did you come across in your review anything that you would describe as a software development plan that included the three items in paragraph 29 that was written by someone at TEG, and the definition of software development plan is at 3.3806.
 - A. Give me one moment to take a look at that; 3.3806?

Page 32

Q. Uh-huh.

A. One moment. Let me take a look.

No, but I wouldn't expect to see something like that in a software development plan.

Software development plans are typically processes that are described for how the software is going to be developed in terms of where source code will be stored, who's going to work on it, who will have review authority, how a particular branch of the source code might get handled, things of that nature that have more general purpose to how the software is developed.

They're not going to be specific to any one particular project's requirements or designs or things like that. They're a higher level document typically.

- Q. Did you find anything in your review that contained the three items in paragraph 29 written by someone at TEG in the nature of software design description, which is defined in 3.3799?
 - A. I'll take a look at that document.

No. I think it's, again, sort of consistent with what I said earlier on the design documents, which are the detailed design description.

You know, there's not much in terms of documentation that sets forth sort of the abstract designs.

Page 33

You know, my analysis and assessment of the source code is based on my training, experience and my background as a system architect and my analysis of the source code primarily.

I don't know that I've seen something where this was broken down at the level of some of those kinds of documents except insofar as that there may be documentation in the source code as well.

Q. Okay. You talk about documentation in the source code, right.

We're talking about comments or notes that are in the source code itself; correct?

- A. Correct, and I'd include README files in that description as well.
 - Q. And README files. Okay.

When you were looking at the code in the repost that are listed at the top of Attachment 2 under "TEG Source Code Repository Data", did you see any comments or README files that were written by TEG employees or contractors?

A. I think that's right, but I would have to go back and check the source code to see the history of those files.

Certainly there are README files in at least some of these repositories, but I would have to check and

Veritext Legal Solutions 305-376-8800

Page 34

see, looking at the history, who wrote them.

- Q. Okay, but you don't recall seeing -- sitting here today, you don't recall seeing any that were written by TEG employees or contractors?
- A. I mean I would say that's my understanding -- my recollection, rather, excuse me, but I would have to go and check.

I mean there's a hundred commits or more across these repositories, each of which has its own metadata. I just don't recall the specifics of each one as I sit here.

- Q. Okay. It's my understanding that the items, the three items in paragraph 29 that you're identifying as being things that TEG developed, right, it's my understanding that in doing your review, that you were looking at the code to determine whether someone from TEG developed those items in paragraph 29, or am I incorrect about that?
 - A. I mean I think that is correct.

It is certainly my understanding that the source code was written by TEG. You know, if you're asking more specifically beyond that, who, I would have to check the repository.

Q. Okay. So is it your understanding then that the first item in the source code repository list for TEG at

Page 35

1 | the top of Attachment 2, "aces", is it your

2 understanding that the source code in ACES was written

3 by someone at TEG?

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

24

25

A. Well, I guess I should be a little specific here to be safe.

So my understanding in general is that the source code we're talking about here in the two, three, four, five, six, seven, eight, nine -- no, I'm sorry, the eight bullet points at the top of Attachment 2 under "TEG Source Code Repository Data" generally are all components of the ACES software.

I've tried to refer to it broadly in my report to make it a little easier, but specifically I'm referring to all of those eight bullet points that are at the top of Attachment 2 when I'm talking about the ACES software in that section.

- Q. Okay. So from "aces", which is the first bullet point, down to "web-video", which is the eighth bullet point, --
- A. Correct.
- 21 Q. -- all of these are part of the ACES software?
- A. When I'm using that term in the report, that's what I'm trying to get at, yes.
 - Q. Okay, and is it your understanding that those first eight items contain source code that was written

Page 36

1 by someone at TEG?

- A. That's my recollection, yes.
- Q. Okay, and it's your recollection based on what?
- A. Review of the source code repository data.
- Q. Okay, and by review of the source code repository data, you mean the person who did the commit to the repo?
- A. Commits, plural, I think that is correct. I'd have to check and see if there is further data and comments or documentation that might also support that, I don't recall offhand, but at the very least, that would be one source of metadata towards that point, correct.
- Q. Okay. Did you have some list of TEG personnel that you could refer to when reviewing the commits to identify, oh, this person who did this commit on this date in the ACES software, which is the first one, that person was a TEG employee?
- A. I would have to go back and check my materials to see if I had a list or something provided.

Certainly I have an understanding as to some of the people who are TEG employees, but I don't know that I have a comprehensive list. I'd have to check the materials that I've been provided.

Q. Well, I'm trying to understand how you knew, from

Veritext Legal Solutions 305-376-8800

Page 37

- 1 looking at the names or e-mail addresses of people who
- 2 | did the commits for the first eight items, that those
- 3 people were working for TEG at the time. That's what
- 4 I'm trying to understand, because I thought I heard you
- 5 say that all of the commits for those first eight items
- 6 were by TEG people.
- 7 A. I'm sorry.
- Q. Did I hear that correctly?
- 9 A. No, I'm not sure I said it quite like that.
- 10 Q. Okay.
- 11 A. I think what I said was that I believe there are
- 12 commits by individuals who are TEG in there. I seem to
- 13 recall that.
- 14 Q. Okay.
- 15 A. I don't actually know if I can tell you all of
- them are one way or another. I'd have to look at the
- 17 | source code repository.
- 18 Q. Okay.
- 19 A. I certainly have an understanding that the code
- 20 | that TEG provided, I believe they've said that that was
- 21 code that they developed.
- I would have to double-check that as well, but I
- 23 think that is consistent with my review of the
- 24 repository data, but, again, I don't have it in front of
- 25 me. I would have to go back and look.

CONFIDENTIAL

Page 38

- Q. Okay. So do I understand correctly then that it was represented to you by whoever gave you those repos that at least the first eight items at the top of Attachment 2 contain code developed by people at TEG; is that the representation given to you?
- A. I think when I was initially provided that, when we were discussing what was available for my analysis, I think that's right. I think that's also consistent with my review, as I recall it, looking at the commit histories, and I think those I think that was consistent, but, again, I would have to check the repository data.
- Q. Okay, and when you say you think it was consistent, for example, the metadata for these commits, would they contain e-mail addresses that would indicate that the person who did the commit had an e-mail address @triangleexperiencegroup.com; is that what you mean?
- A. So when you commit to a source code repository, you're going to have a name and an e-mail.

The name and the e-mail may or may not be at a particular organization.

There are many times I've seen when people use their -- get accounts on their local computer and they forget they have their local e-mail address put on, so like a Gmail or Hotmail account that -- but it will

Page 39 1 still say typically their name. That is the kind of metadata that's usually 2 3 included with the repository that we're talking about here. 4 5 Q. Okay. Well, but wouldn't you then have to have been given a list of all the names of the TEG developers 6 in order to match them up with the commits to know that 8 the source code in those commits was written by someone 9 who worked for TEG? 10 Α. Well, no, not necessarily. 11 Well, how else would you know? 0. 12 Well, you said, would I need to be provided a Α. 13 list. I mean the names of some of these individuals are 14 15 in the record. Kevin Mullican, obviously I don't need to see --16 17 Q. Okay. 18 -- his name on a list to know he's associated with 19 TEG. 20 Okay. So you saw Kevin Mullican's name as being O. 21 one of the names of someone who committed -- who did a 22 commit to the first eight repos? 23 It seems correct, but I don't recall as I sit here 24 for sure. 25 Q. Okay. So were there other names that you saw who

Veritext Legal Solutions 305-376-8800

CONFIDENTIAL

you know from the record who committed software in the first eight items?

A. Again, I would have to check the repository history. I don't recall all of the entries as I sit here today.

Q. Okay. What about the last three items,

did you examine those to determine who did the commits?

A. For those, I recall looking at the history at one point. I don't recall the specifics of that right now.

I think what I was looking at was looking particularly at the initial version to understand the architecture of the software as it existed when it was first checked into those repositories, so at the earliest possible time available.

- Q. Okay, and did you -- when you looked at those initial commits, did you see that there were names of people committing the software who worked for TEG?
- A. Again, I would have to go look at the repository history. I don't have their history of their repositories memorized.

There's hundreds of entries in these different databases.

It's -- you know, it's the sort of thing that you would typically look up looking at the repository

Page 41

instead of trying to remember.

- Q. Okay. Just to make things clear, you're not sitting here offering an opinion that TEG or anyone working for TEG wrote source code in any of these repositories at the top of Attachment 2, right; that's not one of your opinions?
- A. I'm not sure I would say it like that.

Certainly I have an understanding that, to start with, I asked for what TEG's preexisting codes that they have available, what was it.

Q. Okay.

A. So that's the starting point.

I would -- I seem to recall, looking at it, that there are commits that are consistent with TEG employee names like Kevin Mullican, I think, perhaps in these repositories. I don't recall all the specifics.

You know, that might be an understanding assumption in some of the analysis, but I don't know that I've -- I wouldn't quite phrase it the way that I think you did in your question.

Q. Okay. I just want to make sure that we understand the scope of your report because it seems to me that there is a difference -- and correct me if you think I'm wrong, Mr. Ferrara, it seems to me that there's a difference between writing source code and what you say

Page 42 1 TEG did in paragraph 29 with those three items. I'm sorry. Was that a question? 2 3 0. Yeah. Is there a difference between writing source code 4 5 and what you say TEG did in paragraph 29 with the three items that you've highlighted? 6 7 I mean I would say they're both different 8 parts of the software development process. They are --9 you know, the design process is upstream of the code. You can't write code until you've done some degree of 10 11 design. 12 Q. Okay. Thank you. 13 If we go back and take a look at, for example, paragraph 22, you're saying --14 15 Paragraph 22 of which document, please? 16 Of your report, --Q. 17 Α. Okay. 18 Q. -- page 11. You say, "I understand from my conversations with 19 20 TEG". 21 Okay. So who did you have conversations with and 22 when did those conversations take place and how long did 23 they take? 24 Can you start first with who did you speak to? 25 Α. I don't know that I recall all the individuals.

Veritext Legal Solutions 305-376-8800

Page 43 1 Certainly Mr. Mullican was one of them. 2 Okay, and when did you speak to him; most 3 recently, when did you speak to him? I mean I don't recall. It's been some months 4 5 since --6 Q. Okay. 7 -- that initial conversation or conversations. Α. 8 0. Okay. Did you take notes? 9 Α. I don't think so. If I did, it would have been --10 Q. Okay. 11 -- in the form of sort of data that ultimately Α. 12 gets finalized in the report as is. 13 Ο. And what do you recall him telling you? 14 So my recollection is that he said, in 2017 and Α. 15 2018, he was working on back end source code directed at 16 developing sort of the next version of the software that they had been working with previously, that they were 17 18 moving to a web-based system, which is going to have a 19 different architecture design for the what I understand 20 was a client-based system, one you would install on a 21 computer that had been the code or the software he'd 22 been previously working with, and he had been working on 23 developing the underlying components of that new 24 software prior to the engagement of Max Minds in, I

Veritext Legal Solutions 305-376-8800

25

think, 2019.

Page 44

Q. Okay. So in paragraph 24, you say that you compared — first line, "I compared the source code architecture and design of source code that TEG wrote for ACES, TEG's predecessor to the Haptic Federal software, to both early and later versions of the Haptic Federal software developed in mid-2019 and fall 2023, respectively."

So can you identify for me the items on Attachment 2 that you compared ACES to?

A. Sure.

So that's going to be to source code in the -- from the review computer.

Q. Oh, okay.

So how did you do that comparison?

A. So -- excuse me one moment.

So I reviewed using a technique called Static Code
Analysis where you're actually reviewing the code as
opposed to running it, read through the files,
understood the relationships, understood how the
different components interconnect and the system
architecture fits together, and I compared that, again,
Static Code Analysis to review how the source code
worked on the read computer, how the different
components connect, the different relationships between
them and the different parts of the software that are

Page 45 1 involved. Q. Okay. Did you do the comparison simultaneously or 2 3 did you first review the software on the review computer, the source code on the review computer, and 4 5 then subsequently review ACES, or did you do it in the other way around, or was it at the same time; how did it 6 happen? 8 I would say I reviewed ACES first and then the 9 Haptic Federal software second. Okay, and what was the period of time between your 10 11 review of ACES and your review of the Haptic Federal software? 12 13 I mean I don't recall specifically. 14 So was it a day, a month, a year; I mean 15 approximately what period of time? 16 I mean a few weeks, I suppose, since the initial 17 review. 18 I certainly went back and refreshed myself looking at the source code as I was doing review, and I had my 19 20 own computer, you know, connected to the -- to my 21 network with access to the source code for my review as 22 I was doing that. 23 So it wasn't like, you know, I had to memorize all

Veritext Legal Solutions 305-376-8800

of ACES and then go in and look at it. I had

information available when I needed to do those

24

25

Page 46 1 comparisons. 2 So you had it -- when you did the review, 3 you had your own computer that had ACES on it next to the computer that you did the review on so you could 4 5 look from one to the other? I mean it's not the best process, but it's 6 Α. serviceable if you really have to. 8 Okay. You didn't see any source code statements 9 that were identical though; correct? I don't know that I could say that one way or 10 11 another. 12 Again, my focus was on the architecture and the 13 analysis of how those pieces fit together. 14 Ο. Okay. 15 There could always be lines that end up being 16 identical as a result of the fact that there are 17 programming constructs that will look the same when 18 you're doing any sort of development, but, you know, I 19 didn't go deeper into it from the particulars of 20 particular lines of code. 21 Again, this was an architectural analysis of the 22 parties' source code. 23 What programming language or languages were -- was 24 ACES in the first eight bullet points on Attachment 2

Veritext Legal Solutions 305-376-8800

25

written in?

Page 47 1 I think it was C++, but I would have to double-check if that's the only thing it's written in. 2 3 Okay, and what about the review computer; what language was the code written in there? 4 5 Primarily C-Sharp. I think there's also JavaScript components if I recall. 6 7 Q. You say in paragraph 25 in the first line that 8 "Analysis of the parties' source code demonstrates that 9 core architectural design elements", okay, "used", you 10 go on. 11 Those are the items listed in paragraph 29, right, 12 the core architectural design elements? 13 For the TEG software for the Haptic Federal software, that's in 27 through 28. 14 15 Okay. So the first item that you're dealing with 16 in 26 "is the architectural concept of a board". 17 Do you see that? 18 Α. I do. Okay, and then at the end of that paragraph, you 19 20 drop a footnote 10 there at the bottom, and then you 21 begin to cite to certain lines in the Haptic Federal software; right? 22 23 I believe that's correct. 24 Okay. Do you know who wrote the source code at

Veritext Legal Solutions 305-376-8800

the lines cited in footnote 10?

25

Page 48

- A. I mean not as I sit here at this moment. I would have to go and look at the repository.
- Q. Okay, and then it's my understanding that if we go forward to paragraph 29.1, that 29.1 is the same design elements that you found in TEG's software; right?
 - A. You mean in the Haptic Federal software?
- Q. Right.

1

2

3

4

5

6

7

8

9

10

11

12

13

16

17

18

19

20

21

22

23

24

25

So 26 describes what you saw in the Haptic Federal software and then 29.1 is your description of what -- of that same element that you found in the TEG software?

- A. That's correct. I think you had reversed it when you said it. So --
 - Q. Sorry.
- A. No, no. I'm just making sure I was clear on the question.
 - Q. Okay. So you drop a footnote to 29.1 to footnote 18 and you go into some detail. It goes on to the next page about different lines where you find that.

Do you know who it was who wrote the source code that you're citing to in footnote 18?

A. So, again, I would have to check in the repository history, but I want to just make clear, at this point, when we're talking about the source code, you know, we need to distinguish here between just the actual line of text and the design, the sequence, the structure, the

Page 49

organization of how this system operates that are being implemented by those lines of text.

You know, you might be able to say look at the repository and see who wrote down the actual here is the text of this particular line in a particular commit, but that is distinct from the question of the design elements, the structure and sequence and organization that's inherent in those lines. That is a different point that's not quite the same.

Q. Okay. Is it your opinion that the design elements, which you're saying are different from the source code, that these design elements that you found in paragraph 29, the three of them, that those design elements were confidential information owned by TEG?

MR. DELANEY: Object to the form of the question.

You can answer.

THE WITNESS: So, yeah, I mean I would say, to start, I don't think I've offered any opinions one way or another on confidentiality.

BY MR. ROTHMAN:

O. Okav.

1

2

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

A. I can say that the design elements between the two are the same and the design elements listed in 29.1 through 29.3 are all developed between, I think, 2017

Page 50 1 and 2018. 2 I'd have to double-check the dates for the 3 earliest commits on some of those, but at least through Those are the most recent commits, I think, which 4 5 are cited in my report. 6 Q. Okay. 7 Those predate the designs that are implemented in 8 the Haptic Federal software. 9 Okay, and in other words -- well, withdrawn. 10 Are you -- is it your testimony that TEG was the 11 first to use the concept of a board in the design of 12 software? 13 Α. No. I think that's going further. 14 I'm talking about a board in the context of this 15 particular application and how the pieces of that puzzle 16 fit together. 17 Q. Okay. Are you -- is it your opinion that TEG was 18 the first to use the concept of a board in this type of application; that is, no other software company had 19 20 previously used the concept of a board in this type of 21 software application? 22

A. No. Now you're going too narrow.

23

24

25

So, again, it's -- that is one component and it is the core of this application as a part of the larger system architecture.

Page 51

It is the most important concept for someone to understand when you're trying to figure out how these components work, but it's part of this system as a whole and that's what I'm looking at when I'm comparing these two.

I'm not going -- you've gone both broader and more
narrow. That's not quite what I'm saying.

- Q. Okay. Is it that the combination of the concept of a board, the use of WebSockets and the use of chat and video streaming functionality together is something that TEG was the first to use; is that what you're saying?
- A. I don't think I have said that they are the first to use it.
 - Q. Okay.

A. I said they developed a system using this architecture.

I haven't gone further than that to say it was the first time, but I think that this architecture was developed by TEG for this application and its purpose, and then my understanding, that is Mr. Mullican testified that he then had meetings with Mr. Fischer and discussed and provided that design architecture as the parties started at the outset of their relationship, and then what I can see in the Haptic Federal code is the

Page 52 1 same architectural elements are present in the designs that are inherent in TEG's source code. 2 3 Q. Okay. Great. MR. ROTHMAN: Do you want to take a break now 4 or -- for five minutes --5 THE WITNESS: That's fine. 6 MR. ROTHMAN: -- and then we can come back. 7 8 It's 20 after 11. I have some more to ask, but 9 just to offer it to you. 10 THE WITNESS: Sure. I'd love to get a bottle 11 of water actually. MR. ROTHMAN: Okay. Great. Me too. 12 13 All right. Let's take five minutes. 14 Thanks. 15 (Thereupon, a recess was taken at 11:21 a.m., after which time the deposition resumed at 16 17 11:27 a.m.) 18 BY MR. ROTHMAN: Q. Okay. So let's look at paragraph 27. 19 20 Paragraph 27, you talk about "implementing the 21 WebSockets communications protocol"; correct? 22 Correct. Α. 23 Okay. In your footnote 12, you refer to the 24 protocol "Comments 6455" from the Internet Engineering 25 Task Force. It's dated December 2011.

Veritext Legal Solutions 305-376-8800

Page 53 Do you see that? 1 2 Α. I do. 3 So you're not saying that it was TEG's idea to use WebSockets as a design element for a computer 4 5 program initially or originally; correct? Can you repeat that? I'm not quite sure that it's 6 Α. right the way you phrased it. 8 You're not saying that it was TEG the first to use 9 WebSockets as a design element for a computer program? 10 For any computer program ever? 11 Q. Right. 12 Α. Correct. That's further than I'm going. 13 It's the choice of this particular technology for 14 this particular architecture is what we're talking about 15 here. 16 Q. Okay, and it's -- you're basing your opinion on 17 the fact that you saw the use of WebSockets in ACES, you 18 were told that ACES was created by TEG, and then you saw the use of WebSockets in the haptic review computer; 19 20 correct? 21 Α. I mean I --22 Object to the form. MR. DELANEY: 23 THE WITNESS: I would say you have perhaps 24 oversimplified that. 25 It's not just the use of WebSockets, the use of

Veritext Legal Solutions 305-376-8800

Page 54

WebSockets as part of the architecture as a whole.

It's not just, oh, here's WebSockets in one. Here's WebSockets in another.

It's how those components are connected to implement the functionality of the two systems as a whole.

BY MR. ROTHMAN:

Q. Okay. I only have three elements that you've called out in paragraph 29, right; the board, WebSockets and chat and streaming -- chat and video streaming. I just have those three.

Are you saying that there are more design elements that TEG contributed besides those?

A. I'm saying that while I have summarized those elements to high levels, specific connections and the specific implementations that build those up for these purposes are part of that as well.

You can't just reduce it just to that level. It's a little bit broader than that. In fact, that's some of what I have cited in the footnotes where I'm pointing to specific conscience to be able to say, this is where some of that functionality is implemented that links these things together.

Q. And do I understand correctly that there is no design document anywhere that specifies the use of these

800-726-7007 305-376-8800

Veritext Legal Solutions

Page 55

three design elements in how they're linked together as you've described?

- A. I would say I don't know that I have seen one that's like a document that was written in advance of programming. It's not necessarily atypical, especially if you have a small team or individuals working on code. They don't necessarily write down a design document, but I mean I don't know that I have seen one so far, --
- A. -- again, with the caveat of my earlier testimony being except insofar that there's documentation in the source code itself on README files and other materials
- Q. Okay. The documentation in the source code that you saw, the README files and the comments, did you see any README files or comments where, when you read them, it indicated to you that the three elements that you call out in paragraph 29 made up some larger design concept that TEG was going for, or did it just talk about, in this piece of code, we use WebSockets, or in this piece of code, we implement chat and video streaming?
 - A. I would have to --

1

2

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Q.

as well.

Okay.

- Q. Do you understand my question?
- A. I understand your question. I just don't recall

Page 56

as I sit here. I would have to go back and look at the code to answer it specifically.

Q. Okay. So I'm trying to understand whether it's your opinion that it's these three items in paragraph 29 used together that constitutes what TEG contributed or whether TEG's contribution consists of three separate features functionality from a design standpoint that are disconnected from each other.

Do you understand my question?

- A. No, I don't think I do.
- Q. Okay. By combining these three items into paragraph 29, you seem to be suggesting that these three items are somehow connected.

In other words, the use of WebSockets with a board and chat and video streaming is TEG's design concept.

Is that what you're saying?

- A. I think in that they are sort of the core of the architecture that was being implemented, I think that is correct, --
 - Q. Okay.
- A. -- and there's other parts of the system as well obviously which, again, I'd have to refer back to the source code for, but I think in general terms, that's correct.
 - Q. Okay, but you never saw anywhere where it said you

Veritext Legal Solutions 305-376-8800

25

1

2

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Page 57 1 have to use WebSockets and a board and chat and video 2 streaming functionality together; you never saw anything 3 like that? I mean except for the source code itself perhaps, 4 Α. 5 which is where those designs are implemented. Q. 6 Right. 7 I mean it's in the pudding on something like that. That's what they ultimately built, --8 9 Q. Okay. -- just source code. 10 Α. 11 Ο. Got it. So beginning in paragraph 32, you go through 12 13 testing. 14 What is it that you're saying that TEG contributed 15 in terms of testing? 16 So refer you to, for example, 33 and 34. In 33, I say, "Evidence in the record demonstrates 17 18 that TEG performed system testing on the Haptic Federal 19 software", and in 34, I refer to "regression testing", which is a form of testing that is similar to system 20 21 testing, but it's for the specific purpose of demonstrating that defects that may have already been 22 23 resolved have not recurred after functionality that has 24 been changed and being further modified or extended,

Veritext Legal Solutions 305-376-8800

basically making sure that if you change something to

25

Page 58

1 fix a problem, when you make further changes, you didn't break it again. 2

- Q. Okay.
- Let me -- if I may, let me just finish reading --
- 5 0. Sure.

3

4

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

-- to make sure there's nothing further I wanted to add to that.

Yeah, I mean I quess, in general, this whole section involves sort of the testing after its -- we can go through in more detail.

There's evidence that I point out in 36 that there is testing going on and defects that are being remediated and identified by the parties jointly.

I've identified various defects that appear to have been identified by TEG personnel in 38. also covered in Attachment 3 to my report, you know, and obviously I talk about some changes that seem to have been implemented in the source code, you know, looking through the materials in terms of the records that were identified by TEG as a problem that ultimately were then changed by Max sort of at the direction of TEG to resolve the issue.

Q. Okay. So TEG was not making changes to the source code as a result of testing; it was all done by someone at Max?

Veritext Legal Solutions 800-726-7007 305-376-8800

Page 59

A. I would have to look at -- in general, that might be right.

There may be things like system configurations or other things that would have been changed by TEG on the corey (phonetic) version of the source code, for example, that they might have identified and fixed.

I would have to go back and look and see if there's anything indicative of that particularly, but that is one possibility when you're doing this kind of system testing in software.

- Q. Okay. One possibility but not something that you observed?
- A. I'm not sure if there was anything that was referenced in some of the conference call videos I saw. So I'd have to go back and check through some of those again.

I know they did talk about some things that they were changing, configurations and other materials, but I don't know that I could give an affirmative answer one way or another or not without checking those materials again.

- Q. Okay. So did you see in the course of your review any sort of test design documents or specifications?
- A. I seem to recall there were -- there's references in the record to testing and test plans, but I would

Page 60

1 have to go back and check the materials that I saw those in to refresh my recollection. 2

- Okay. Did you see any test documents that were written by TEG; other words, a test specification that TEG -- someone at TEG wrote?
- I don't -- nothing like that comes readily to mind.

I know there were four to five reports, I believe I've seen, that included programatically detected security vulnerabilities and things like that.

In terms of like a plan for how testing is to be done, I don't know that I've seen something like that, although that again is like -- just like with the software design documents, you know, your mileage will vary on the extent to which parties actually create those upfront. Some do. Some don't.

- You talk about regression testing in paragraph 34. There's a definition of regression testing in 3.3371.
 - You're talking of the ISO standard? Α.
- 0. Yeah.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

25

- 22 Uh-huh. Α.
- 23 When you talk about regression testing, are you 24 saying that TEG did regression testing?
 - Α. So for that, I mean that's my understanding of

Veritext Legal Solutions 800-726-7007 305-376-8800

Page 61 1 what we're talking about here in, for example, the 2 April 25th, 2023, conference call that's listed in -- or 3 I should say that's transcribed in paragraph 33 where Mr. Herren and Mr. Sinnk talk about running regression 4 parallel together, or I should rephrase, where it 5 says -- where Mr. Herren says, "We can run through 6 7 regression testing, right? In parallel." 8 Q. Okay. You say in the last sentence of paragraph 9 34, "Regression testing is typically a technical test carried out by the software's developer"; right? 10 11 I do. Α. Are you saying that it cannot be done by the 12 13 software user or the software distributor? 14 Typically, no. Typically when you're doing 15 regression testing, it's part of the development cycle 16 where you're working on developing software for a 17 particular purpose. 18 So, you know, there are various kinds of technical tests that will be done as part of the software's 19 20 development in order to ensure that it works right. 21 Regression -- and those are all very technical in 22 nature. You know, that's not something a user would 23 typically do. 24 Regression testing is one of those tests.

800-726-7007 305-376-8800

the sort of thing a developer would do as part of its

25

Page 62

system testing to make sure fun -- a particular area of functionality is stable.

- Q. Well, but the -- one of -- several of the definitions for "regression testing" in Exhibit 2, for example, definition 2, "testing required to determine that a change to a system component has not adversely affected functionality, reliability or performance and has not introduced additional defects", do you see that?
 - A. I do.

1

2

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

- Q. It seems like something that a user could do; right?
 - A. I mean as a like could somebody go and press a button to regression test, theoretically, that is possible. In practice, that's not what is done.
 - Q. Well, but your transcript here, assuming that there were changes made to the software by Max, to the source code by Max, okay, are you with me?
 - A. Uh-huh.
 - Q. And then there was a need to make sure that those changes have not adversely affected functionality, reliability or performance and didn't introduce additional defects, then how is what's described in paragraph 33 inconsistent with that?
 - A. Because a user is not typically the party in a software development project who's executing those

Page 63 1 technical tasks. 2 In a typical software development project, the 3 vendor, the manufacturer of the software, is the one who's going to do all of the initial work to make sure 4 5 that the quality issues have been addressed before providing it to the customer. 6 7 That's not what we're talking about here. 8 What we're talking about here says running through 9 regression testing in parallel, together. Is it your assumption that TEG is the customer? 10 Ο. 11 Α. No. 12 Q. 'Cause that's what you said. 13 MR. DELANEY: Objection; mischaracterizes the 14 testimony. 15 BY MR. ROTHMAN: 16 What I understood you to say is that what's described in paragraph 33 is not something that a 17 18 customer would do, and that indicates to me that from your point of view, TEG is a customer for this software. 19 20 Α. No. 21 Am I wrong? 0. 22 I think you've misunderstood my testimony. Α. 23 Okay. So if TEG -- you do not think TEG was a customer for the software? 24

Veritext Legal Solutions 305-376-8800

25

Α.

I would say, based on what I've seen in the

Page 64

record, they were jointly developing and creating and testing the software.

In this particular paragraph, we're talking about testing now.

- Q. Okay, and when you say "jointly developing", the word development, okay, what is your definition of development or if -- or better, what is your definition of joint development?
- A. So I would say, in a joint development project, parties typically share responsibilities for creating a software product for whoever their customers ultimately would be.

That's going to include shared technical tasks typically, things like design, code construction, testing, implementation, sort of the key phases of the software development lifecycle, and I've set that all out in section, I think it's VII A of my report.

Those are the kinds of typical activities where, when a vendor is doing a project, they're going to be executing these very technical steps of this process.

When the parties are collaborating on those steps, that's indication that joint development is going on.

Q. Okay, but the definition of -- your definition of development, it sounds like, includes more activity than just the authoring of source code.

Page 65

A. Correct.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

I mean it's the same way in building a house.

Building a house isn't just putting up girders and hanging drywall.

There's steps that have to be done when you say to someone, I want you to build me a house; designing it, making sure it's safe to live in through testing it, as well as putting up those steps, and that's my point here.

Software development is the same way. It's not just I write source code on a page. You have to design what you're going to write. You have to write it. You have to test it. You have to make sure it's actually going to work.

Those are all typical and necessary steps of what is called the software development lifecycle or a software development lifecycle.

There's obviously different ways you can implement those processes and all of that's covered in section A of my report.

- Q. Take a look at the definition of source code in Exhibit 2 at 3.3882.
- A. I'm sorry. 3 --
- 24 Q. .882.
- 25 A. Okay.

Veritext Legal Solutions 305-376-8800

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

CONFIDENTIAL

Page 66 It says, "computer instructions and data definitions expressed in a form suitable for input to an assembler, compiler, or other translator." Do you see that? I do. Α. Okay. With respect to the software that you reviewed on the review computer, did you find any source code, using that definition, authored by TEG? Well, so, again, as I pointed out earlier, there is a distinction between individual lines of text and the designs being implemented by those lines of text. You can't just say, you know, oh, they -- this person wrote the pen to the paper. If they're using designs jointly created or created by another party, that's where we get into the distinction of what's going on and the facts specific to this case. O. I understand that distinction. The question was a simple yes or no. MR. ROTHMAN: Can you read back the question, Madam Reporter?

THE WITNESS: Yeah. I mean I think my answer

THE COURT REPORTER: Just a second, please.

by the court reporter as above recorded.)

800-726-7007 305-376-8800

(Thereupon, the question referred to was read back

Page 67

is ultimately the same.

I think inclusive in the way that question is asked is a conclusion that if somebody wrote this line of code, therefore, it is authored by that person.

It is more complicated than that because there are the other steps of the software development process that lead to the conclusion of how those lines of code are being chosen to be read.

That is where you get into the specific facts that we're looking at in this case with the similarities in the design that I've pointed out.

BY MR. ROTHMAN:

- Q. Okay. The designs are similar; right?
- A. Correct.
- Q. Okay. Is the source code for the software you reviewed on the review computer source code that was written as in the definition of source code, "expressed in a form suitable for input to an assembler, compiler or other translator", written by anyone at TEG?
 - A. Well, again, I think I've answered that as well.

I think I have seen references in the record where there's testimony that things like pseudo code and whatnot were provided at various points to Max in the development of the Haptic Federal software.

Page 68

I haven't gone further to try and look for those given the restraints of the review computer at this time.

It doesn't mean that they're not there or there might be substantial similarities to things that are there.

That's something I would have to check further for. So I don't know that I can answer that at this moment without doing further review.

- Q. Okay. Turning to your item capital C beginning on page 18 at paragraph 42, --
- A. All right. Give me one moment to scroll.
 Okay.
- Q. -- can you just summarize what your opinion is in this section?
 - A. Sure.

So I understand that there are -- one of the things at issue is the source code having been made publicly available by -- that -- I should rephrase.

I understand one thing at issue is that TEG made source code available for Haptic Federal software at some point in time. You know, I forget the exact time frame, 2021, 2022, '23, probably '23, '24, I forget the exact date.

You know, as that may pertain to potentially

Veritext Legal Solutions 305-376-8800

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

CONFIDENTIAL

Page 69

issues of confidentiality, which I understand trade secrets are one thing that's at issue in this case, you know, what I'm pointing out in this opinion is that the functionality of the source code that composes the front end of the Haptic Federal software, you know, was being made available, or a portion thereof that are consistent with what's in the Alleo software were being made available publicly in the form of what is called a minified JavaScript file, and I get into detail in my report obviously about minification and how minification is fundamentally a technique that does not obfuscate the source code in a manner that changes its functionality and how it can be what is called beautified to create that -- to create something that is easier to read and that will show the functionality in less compacted terms in a minified file, and that's sort of everything that's covered in section C in terms of how that code is being made available, what is actually listed in terms of, you know, the time period I found and all of that sort of detail.

Q. I understood you to be saying basically that what TEG did with respect to the allegations of making the source code maps available was the same thing as what Max does with respect to making minified JavaScript available online.

Veritext Legal Solutions 305-376-8800

Page 70

A. That's not quite what I said.

- Q. Okay. So is what TEG did, which is making source code maps available online, the same as making minified JavaScript available online?
 - A. I would say there's overlap.

Both approaches make the functionality of the software publicly available, or at least I guess in the context of this, where the code can be directly accessed, but when you have a JavaScript-based front end, the JavaScript files composing the front end have to be downloaded to the client's computer that's running it. It's just a feature of how that's worked. They are interpreted by the client's side of the computer in order to render the front end.

So in order for those files to work, the logic that implements the actual functionality of the front end is included in what's downloaded.

If those servers are publicly available, anyone who downloads those files will have the underlying functionality in the file they're downloading. That's the point I'm trying to make.

Q. Okay. JavaScript has to be downloaded if you need JavaScript in order to utilize the functionality, and so you are -- by choosing to use JavaScript, you're going to make some information available to the end user;

Page 71 1 correct? To the end user, that is correct. 2 3 Is that the same as in terms of the functionality and information you make available to the 4 5 end user when you make source code maps available? In terms of functionality, it is. Ultimately, the 6 functionality is still the same. 8 Q. Okay, but in terms of other concerns such as 9 information security or confidentiality? What about -- I'm sorry. Could you clarify the 10 question? 11 12 Q. Yeah. Is it the same in your view, in terms of 13 confidentiality or information security concerns, making 14 15 minified JavaScript available versus making source code maps available? 16 17 Α. Sure, absolutely. 18 Q. Okay. So the implication -- withdrawn. 19 (Thereupon, the below-referred to document 20 was premarked as Plaintiff's Exhibit Number 6 for 21 Identification.) 22 BY MR. ROTHMAN: 23 Q. Did you review the Exhibit Number 6, the Declaration of Robert Simon and the memo that's attached 24 25 to it, at any point before rendering your opinion?

Veritext Legal Solutions 305-376-8800

Page 72

A. Yes, I did.

- Q. Okay. So did you ever attempt to go through the exercise that Mr. Simon goes through in the memo attached to his declaration?
 - A. Let me just take a look through the memo.

I mean certainly in terms of downloading all of the website resources, I think I point out in my report that the approach I used to download the minified files is just to document that these things are available, used this "Save All Resources" Chrome plug-in that he used as well.

- Q. Okay, but my question was, did you go through this exercise that he sets forth in his memo; did you actually do this?
- A. Well, my point is there are multiple exercises in his memo.
 - O. I know.

Again, my question is, did you do what -- step by step what Mr. Simon documents in his memo?

- A. I mean are you talking about every piece of this memo; is that what you're asking?
- Q. So in other words, beginning on the memo, if you're looking at page 4 of the memo, it says, "Below please find step-by-step directions for how to find, review, and capture the Max Minds applications and

Page 73 1 associated source code as being served publicly on the internet by TEG", and then there are steps under to 2 3 identify source code map files and then to view source 4 code. 5 Do you see that? Α. I do. 6 7 Did you follow these steps in an effort to Okay. 8 recreate what Mr. Simon lays out here? 9 I don't remember if I did this for TEG or if I did this at one point for Max Minds. I do seem to recall 10 11 investigating this issue, but this was right at the outset of work on this matter. I don't recall the 12 specifics of which set of code I did this on. 13 14 So you did follow these directions? 15 I mean I seem to recall certainly reviewing this 16 and looking into it. I just -- I don't recall the specifics as I sit here right now. 17 18 If you did do it, did you keep notes or records of 19 what you did? 20 I don't think so. I think when we were testing 21 this out, we were sort of on a time constraint of some 22 sort. 23 I don't recall saving anything from just sort of 24 initial investigation right at the outset of the work in

Veritext Legal Solutions 305-376-8800

25

this.

Page 74

- Q. Were you at all involved in the process of recommending or advising TEG what to do about the issue that's raised in Mr. Simon's declaration?
 - A. That's all discussions with counsel potentially?
 - Q. Yeah, it would, absolutely.

MR. DELANEY: Well, if it involves discussions of counsel about advice on how to handle an action rather than opposed to an expert opinion, we may have to claim privilege on that.

So --

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

MR. ROTHMAN: Okay.

MR. DELANEY: -- I would instruct him not to answer, just to the extent --

MR. ROTHMAN: So --

MR. DELANEY: -- that he knows.

MR. ROTHMAN: So you're -- okay. So you're invoking work product privilege as to any advice he may have given to TEG through counsel?

MR. DELANEY: If that's what you seem to be asking about and he has identified that as an issue in which he has — which would involve him providing advice, and sitting here right now, I don't know the parameters of that, but based upon your question and his reaction, I think we'll have to assert privilege and work product doctrine at this point for that

Page 75 1 line of inquiry. 2 MR. ROTHMAN: Okav. 3 (Thereupon, the below-referred to document was premarked as Plaintiff's Exhibit Number 15 for 4 Identification.) 5 BY MR. ROTHMAN: 6 So with respect to the source code map issue, take 8 a look at Exhibit 15. 9 I just want to ask you a few questions about 10 Exhibit 15. 11 Α. Okay. 12 Have you seen in the course of your review -- I didn't see these. 13 14 These are a collection of "Azure DevOps" messages 15 for the Azure source code management system? I didn't see these listed in your items reviewed 16 17 in Attachment 2. 18 Α. I'm sorry. What was the question there? The question is, did you see any documents that 19 20 look like what's in Exhibit 15 in the course of your 21 review? 22 A. I would say I've seen them because they were, I 23 think, attached to the most recent motions. I don't know -- I don't recall seeing them prior to that, but 24 25 I'd have to check my records.

Page 76

- Q. Okay. Well, I don't know that they were, but anyway, looking at the first page, do you know anything about the first page where it says, "Add licensing info to codebases"; do you have any knowledge of what was being done here?
 - A. Not without additional context.
- Q. Okay. In the course of your review, did you -- were you asked to look at anything concerning licensing issues with the software?
- A. Sure.

- Q. Okay, and what did you find?
- A. So I think that is covered. I'll just point it to you in my report.
- I think this is covered in general in paragraph

 40.

There is documents in the record that I reviewed, for example, what's cited at footnote 29, regarding licensing issues that the parties were trying to address during their development, you know, and the fact that there was a license expired banner in software that was being displayed on the Haptic Federal software that was causing a problem for the government customers who were trying to use the software, and I know I've seen e-mails such as the one that's cited there from around this time period that get into that issue, and ultimately, that

Page 77 1 was something Max removed in the source code in 2023 as pointed out at the end of paragraph 40 and cited in 2 3 footnote 30. Q. Right, but the time frame that you're talking 4 5 about in paragraph 40 is different from this message, which is from 5/9/2024. 6 7 Do you know anything about licensing issues around 8 May 9th, 2024? 9 That doesn't ring any bells as I'm sitting here. I don't know that I've included anything of that for the 10 opinions I've offered for this report. 11 12 All right. You know that there's an allegation in Q. 13 this case about TEG removing the licensing logic in 14 Max's software; right? I think that's consistent with what I've seen in 15 16 various documents. Okay. Did you see any -- where in looking at the 17 18 code, did you see any indication that TEG removed licensing logic in the software --19 20 Α. I don't think I've offered --21 -- and then changed it? 0. I don't think I've offered any opinions on that in 22 23 the analysis, just what's in the report. 24 Okay, but did you see it? 0.

Veritext Legal Solutions 305-376-8800

I mean as I pointed out, I think, in my report,

25

Α.

| | | Page 78 | | |
|----|---|---|--|--|
| 1 | and I | 'll show you or I'll point you to the exact | | |
| 2 | sectio | on | | |
| 3 | Q. | No. I is it the one we were just talking | | |
| 4 | about' | ? | | |
| 5 | Α. | No. | | |
| 6 | | One moment. I'll give you the specifics. | | |
| 7 | | As I pointed out, the comparison I did was between | | |
| 8 | TEG's | earlier software from 2017/2018 | | |
| 9 | Q. | Oh, okay. | | |
| 10 | А. | to Max's software from well, and I'm sorry, | | |
| 11 | I shouldn't say Max's, I should say the software that | | | |
| 12 | was p | roduced by Max, on the review computers in mid 2019 | | |
| 13 | and fa | all of 2023. | | |
| 14 | Q. | Okay. Take a look at the fourth page of this | | |
| 15 | exhib | it, please. It's | | |
| 16 | Α. | I'm sorry. Of which exhibit? | | |
| 17 | Q. | The one we were talking about, 15. | | |
| 18 | Α. | Okay. | | |
| 19 | Q. | 5/10/2024, the "Subject: User Story 233 - Strip | | |
| 20 | Code | on build from front-end". | | |
| 21 | Α. | Okay. | | |
| 22 | Q. | So have you seen this before? | | |
| 23 | Α. | And, I'm sorry, this referring specifically to? | | |
| 24 | Q. | This document. | | |
| 25 | Α. | I mean, again, I think I've seen it in preparing | | |

Page 79 1 for deposition in review of the materials provided to me 2 by --3 Take a look for a second at the description at the bottom of that page. 4 5 Α. Okay. Do you understand this description here on this 6 7 document, what it's talking about? 8 MR. DELANEY: Objection. 9 You can answer if you can. THE WITNESS: I mean they're talking about 10 creating a script, but that typically refers to 11 12 creating source code. 13 You know, I really only have what's here for context. I don't have all their information. 14 15 don't even know if this is the full work item. 16 There's obviously a link in this e-mail that 17 says "View work item". 18 So I'm not sure if there's more information 19 beyond what's here and on the next page, but I mean 20 I only really can tell you what it says in this 21 Description section. BY MR. ROTHMAN: 22 23 0. Right. 24 My question is, from reading this Description 25 section, does it -- is it your view that what's being

Page 80

described here, to remove or strip code from the source maps, to remove source from the source's content keys, from the map files, is that in your view the same as the issue that you raised with use of minified JavaScript; in other words, that minified JavaScript being shown on the front end would create the same security concerns that the source map files being on front end create?

A. I'm not entirely sure I understand the question.

I would say that at the end of the day, the functionality that's in the source map is the same as what's being included in minified JavaScript files.

- Q. The functionality is the same; did I understand that correctly?
 - A. Correct.
- Q. The functionality that's shown in the source code map is the same as the minified JavaScript; correct?
 - A. I'd have to look at the source map files.

Certainly the application is going to have to have -- whatever JavaScript's functionality is present in those files in some manner is going to have to be transferred to the client computer in order to run.

- Q. You wouldn't need to transfer the source code map or the source code files to the client computer, would you?
 - A. I'd have to look at the front end of the code to

Veritext Legal Solutions 305-376-8800

.

1

2

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Page 81

answer that.

- Q. Okay. Is your opinion in your report an opinion about whether exposing source code map files creates a security issue or a confidentiality issue, is that your opinion, or is it just about the minified JavaScript?
- A. Let me just refer back to my report to make sure it is accurately stated.

I would say that -- let me just take a look to be specific.

I would say my opinion is specific really to the minification --

- Q. Okay.
- A. -- and to its use of the -- potential uses of technique to the extent that might be claimed with respect to confidential information.

That's what's in 45 and 46, and as I point out in footnotes, for example, in footnote 34, the use of the security through obscurity type approach where it's just not clear what you're looking at is not enough and is recognized in the industry as not enough to protect confidential information. More stringent measures are typically required.

Q. Okay. It's not your opinion, I want to make sure, you're not rendering an opinion about whether exposing minified JavaScript and exposing source code map

Page 82

information, that those two things both expose the same file types, the same file names or the same directory structures, is it?

A. I don't know that I've gone that far.

I think the point I've raised here is simply the functionality with that. I think that is what I have said although I'd have to check for the citation on that.

Q. Okay. Going back to you mentioned pseudo code earlier.

If you look at Exhibit 2, at 3.3228 --

- A. I'm sorry. Give me that one more time, the number.
- 14 0. 3.3228.
- 15 A. Okay.

1

2

3

4

5

6

7

8

9

10

11

12

13

19

20

21

22

23

24

25

- Q. Okay. Is the definition there consistent with how you use the term pseudo code in your report or in your testimony?
 - A. Let me just review it to be sure.

Yeah, I think that's general enough to adequately summarize my understanding of how that term is typically used.

Q. Okay, and there's an example given after the definition that says, "IF the data arrives faster than expected, THEN reject every third input ELSE process all

Page 83 1 data received ENDIF." 2 Do you see that? 3 I do, and just for clarity in the record, the words "IF", "THEN", "ELSE" and "ENDIF" are all in all 4 5 caps. So when you're talking about pseudo code, you're 6 7 talking about somebody at TEG giving a statement like 8 that in the example to Max? 9 Α. So it could be like that. That is one example. 10 Q. Okay. 11 This is more consistent with definitions 2 and 3 Α. in this --12 13 Ο. Okay. 14 -- particular verbiage, but let me finish my 15 response. 16 Q. Sorry. In the first definition, the pseudo code can be 17 18 and in many cases is more programming language specific. 19 It might not be totally grammatically correct in 20 the context of the particular programming language, but 21 it might be written in something that's much closer 22 than, you know, "IF ELSE" with written description in 23 English of what should be going on. 24 That would be sort of a -- you know, the example 25 that's listed here is more sort of a high level

Page 84

structural element of a particular algorithm that you might have, but you can have pseudo code that is more detailed even if it's not specific. It depends on the nature of pseudo code. By its very nature, it's pretty general as to how you can use that term.

- Q. Okay. In any event though, it would be necessary for someone who was using the pseudo code to take the point being made in the pseudo code and turn it into source code in the correct language in the application for it to work; it couldn't just be copied and pasted into the code?
- A. Not literally, but you could still use the sort of design of that particular function and that could be the thing that's in the message, and it could be that there might be specific lines that could be verbatim the same with the missing bit being whatever hasn't been developed that you're saying in pseudo code, well, this is what would have to be further fleshed out.

It varies based on the pseudo code you're using. You can do it at any level of generality.

- Q. Do you know the difference between JavaScript and TypeScript?
 - A. I would say so.

- O. Okay. What's the difference?
 - A. So JavaScript is typically less structured in

Page 85

terms of the variable definitions and the particular types of variable using.

TypeScript provides sort of a more stringent set of definitions than you're using when you're working with JavaScript code.

So, for example, in JavaScript, you can create a variable just saying it's a variable and the specific type could vary based on the data that's stored inside that.

TypeScript, if I recall correctly, refines that to say you have to be more specific as to what type of data is in that variable so that somebody using the program can look at it and say, okay, this is an integer or a string or some other particular type of data.

- Q. Okay. Do you know what an angular template is?
- A. Sure. I think so.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

- Q. Go ahead. Tell me what you -- what it is.
- A. So angular is a JavaScript framework for creating front end applications.

A template in this context is typically a set of screen display elements that are going to provide some redefined structure.

In this context, I would say an angular template is a -- I don't -- I hate to make this sort of circular, but it's a template for a JavaScript front end that is

800-726-7007 305-376-8800

Veritext Legal Solutions

Page 86

1 built using the angular frame.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

- Q. Okay. If we go back to the issue of the exposure of the source code maps, you said TypeScript is going to be more specific than JavaScript; right?
 - A. I think that's correct, yes.
- Q. Okay. So if the information in TypeScript files was specific in a way that would create security concerns for the exposure of those TypeScript files, you with me so far?
- A. I'm not sure I am, but why don't you finish the question and then I'll ask for clarification.
- Q. Okay. Would -- in your view, would the security concerns be the same for the exposure of JavaScript files?
- A. I think the answer, if I understand your question -- let me make sure I understand the question.

Is the question, when I'm providing minified JavaScript, are the security concerns the same as if I'm providing minified TypeScript?

- Q. Not minified TypeScript but actually exposing the TypeScript files themselves, the TypeScript files which are used using the angular templates to create the JavaScript.
- A. I think the answer is yes in that the functionality still has to be expressed one way or the

Page 87

other.

You're getting functionality in both that's going to describe the operation of the software, which could potentially be investigated and attacked like from a security perspective. That's what we're talking about here.

There is functionality is what you're going to have that's ultimately going to be the primary attack factor.

You're going to say, how does this thing work so that somebody could then say, well, where do I pull it apart to make it work the way I want it to, to compromise whatever that would be.

I think the answer is yes because the functionality is the thing that's ultimately going to matter.

- Q. So in both cases, you're saying cases exposing minified JavaScript versus the case of exposing the original TypeScript files, the security concerns as to functionality are identical in your view?
- A. I think in that the functionality is being exposed, yeah, that's what somebody's going to have to look at. They're going to have to look at this code and say, how does it work, in order to try and determine if there is an attack factor.

Page 88

- Q. Okay. So a web browser, which is going to be what is used to view or run the code, can a web browser natively process original TypeScript files or angular templates?
- A. I'd have to look into that. Offhand, I'm not totally sure. That gets into a TypeScript building question that I'd have to go and check.
- Q. Okay. Let's assume for a second that a web browser cannot process and run TypeScript files or angular templates just for the sake of argument.

So it couldn't use the original TypeScript or angular templates to render a web page or create an application. Okay. Let's assume that for the purposes of this.

A. Okay.

Q. All right.

Would it then still be your view that exposing minified JavaScript is the same in terms of security concerns as exposing the original TypeScript or angular templates?

A. I mean if ultimately you're going to use the angular or TypeScript templates -- excuse me -- the TypeScript or the angular templates in order to generate JavaScript code, either way, what you're going to need to have in some form is JavaScript that can be run

Page 89

natively on a web browser.

That's ultimately what's going to be publicly available to somebody who's going to need -- if they're going to try and attack the code, that's what they're going to have -- work -- ultimately, if you're upstream of that and then somebody can generate the code from that versus having the JavaScript code, you still have the same problem.

If functionality is being exposed, you're creating a potential attack.

- Q. So I understand that statement as being indication that you could take a minified JavaScript file and reverse engineer or de-compile it to get back into the underlying logic that was in the TypeScript or in the angular templates.
 - Do I -- did I understand that correctly?
- A. No. I don't -- the way you phrased that, I don't think that's quite correct.
- Q. Okay. So the TypeScript files, they have things that are not in the minified JavaScript, right, like they have metadata, annotations, comments and other logic that a developer could read that doesn't exist in minified JavaScript; right?
- A. I think as you phrase that, the answer is still I don't think that's right.

Page 90 1 0. No? You think that the TypeScript file wouldn't 2 3 contain things that would also not be contained in JavaScript or vice versa? 4 I mean I -- that's not what I said. 5 Α. I think the way you phrased the previous question, 6 7 I think there was a problem with how you phrased it that 8 made it incorrect. 9 Q. Okay. Well, but my point is, the TypeScript files, they're going to have information in it that 10 11 wouldn't end up in the minified JavaScript files; 12 correct? 13 That is possible, but it's not a -- you said "going to". I don't think that's strictly speaking 14 15 right. 16 Q. Assuming there was information in the TypeScript files in the nature of metadata, annotations, comments, 17 18 things like that, assuming there was that stuff in there, right, that would not necessarily end up in the 19 20 minified JavaScript; right? 21 That I believe I agree with --Α. 22 0. Okay. 23 Α. -- to an extent. I mean I will clarify at least to say that I would 24

Veritext Legal Solutions 305-376-8800

have to check and make sure there are no elements of

25

Page 91 1 what you just said that would be structurally required elements to the JavaScript program that would need to be 2 3 present as part of the translated minified code. 4 Okay, but if my statement is correct then and if those additional things, the metadata, the annotations, 5 the comments, if those things were of a confidential 6 nature, then it would be different to expose the 8 TypeScript files than it would be to just expose 9 minified JavaScript? I -- confidential, I mean I quess I'm lacking some 10 11 context in terms of how you sort of set up the 12 hypothetical here. Understood. 13 Ο. 14 The context would have been, I think, in the files 15 that were exposed that are -- that was discussed in 16 Mr. Simon's declaration and the attachment, but I can't ask you about those 'cause counsel has raised a 17 18 privilege objection. 19 MR. ROTHMAN: So I have no further questions. 20 MR. DELANEY: All right. I just want to 21 clarify the record on one thing. 22 CROSS-EXAMINATION 23 BY MR. DELANEY: 24 Thank you, Mr. Ferrara, for your testimony.

Veritext Legal Solutions 305-376-8800

You had discussed at several points that there

25

CONFIDENTIAL

Page 92

were constraints on your review of the source code and I don't know if you and Mr. Rothman ever stated what those were.

So my question to you would be, what were the constraints imposed upon your review of the Haptic Federal source code as we're calling it?

A. So I would say there are two primary constraints.

First, not all of the source code that I -- based on documents provided by Mr. Simon necessarily may compose the Haptic Federal source code have been produced.

There are a number of repositories that were identified in one of his exhibits, one of his declarations, that list something like, I think it's 91 source code repositories.

There is -- there are a number of repositories on that list that reference haptic in some form or another.

Of that list, only four repositories have been produced.

Again, these are the ones listed in Attachment 2 to my report.

I obviously don't know what I don't know about those particular repositories, which, you know, I know we have requested information about even just basic metadata such as get logs that would provide some

Page 93

clarity into what is in those repositories, and that is one of the two constraints.

The other constraint is that the code is produced in a review computer in the first place that's isolated from any other code produced and is effectively air gapped, for lack of a better term, meaning you can't connect it to any other systems, you can't put anything else on there.

Now, obviously we've prearranged for necessary tools to be put on there, but, you know, when you're working on a case where you need to compare source code in particular ways, the typical approach would be to have both sets of source code on a computer that could be then reviewed so that you can do side by side comparisons so that you can search for line by line similarities.

That's not possible because this thing is on an air gap computer system; so those both constraints on my analysis in terms of what I could do.

I think also one other thing, thinking about it, that I pointed out in one of my declarations, if I had running -- I'm sorry -- if I had the repositories in the system that I could potentially control that was not air gapped, I could have stood up the software.

We could have actually done things like functional

Veritext Legal Solutions 305-376-8800

Page 94 1 testing to show specific elements of how the code are 2 used, what conditions they're used in, things like that. 3 That's not really possible in an air gap system. It's not practical to be able to stand up a development 4 5 environment that typically would be connected to the internet to be able to then build source code that's 6 7 being produced in the federal repositories. 8 It's just I've done that on other cases, it 9 doesn't work well, and those are all things that provided bounds on what I could fully explore in this 10 11 particular matter for purposes of this report. 12 Q. These constraints that you mentioned, they weren't imposed actually by my client, TEG, were they? 13 14 Α. No, definitely not. 15 MR. DELANEY: All right. I have no further 16 questions. 17 MR. ROTHMAN: Thank you for your time, 18 Mr. Ferrara. 19 Thank you. THE WITNESS: 20 MR. DELANEY: All right. Have a good day, 21 Joel. 22 MR. ROTHMAN: Yes. 23 I assume he's going to read. 24 MR. DELANEY: Yeah, we'll read. 25 MR. ROTHMAN: And could I get also a phone

| | Page 95 |
|----|---|
| 1 | number for you, Ms. Goldman? |
| 2 | THE COURT REPORER: It's (305) |
| 3 | MR. ROTHMAN: Uh-huh. |
| 4 | THE COURT REPORTER: 439-1509. |
| 5 | MR. ROTHMAN: 1509. |
| 6 | Okay. We're going to let you know about the |
| 7 | transcript and how quickly we need it, but I don't |
| 8 | have an answer for you right now. |
| 9 | THE COURT REPORTER: Okay, and do you want a |
| 10 | copy, Mr. Delaney? |
| 11 | MR. DELANEY: Yes. |
| 12 | THE COURT REPORTER: Okay. So it's ordered, |
| 13 | but you're |
| 14 | MR. ROTHMAN: Right now, for right now, it's a |
| 15 | regular order, but you know, regular delivery, |
| 16 | but I need a few minutes to think about how quickly |
| 17 | I need it and get back to you. |
| 18 | THE COURT REPORTER: Okay. No problem. |
| 19 | MR. ROTHMAN: Okay? |
| 20 | THE COURT REPORTER: Yes. |
| 21 | MR. ROTHMAN: Thanks very much. |
| 22 | THE COURT REPORTER: Thank you. |
| 23 | MR. DELANEY: All right. Thank you, everybody. |
| 24 | (Thereupon, the video conference deposition was |
| 25 | concluded at 12:29 p.m.) |

| | Page 96 |
|----------|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | CERTIFICATE OF OATH OF WITNESS |
| 6 | |
| | STATE OF FLORIDA) |
| 7 |) SS: |
| | COUNTY OF BROWARD) |
| 8 | |
| 9 | I, SANDRA GOLDMAN FREDERICKS, Court Reporter |
| 10 | and Notary Public in and for the State of Florida at |
| 11 | Large, certify that the witness, NICK FERRARA, remotely |
| 12 | appeared before me on February 19, 2025, and was duly |
| 13 | sworn by me. |
| 14 | WITNESS my hand and official seal this 20th |
| 15 | day of February, 2025. |
| 16 | |
| 17 | |
| 18 19 | Sandra Goldman |
| 1) | SANDRA GOLDMAN FREDERICKS, FPR, |
| 20 | Court Reporter and Notary Public, |
| _ ` | State of Florida at Large. |
| 21 | |
| 22 | |
| | Notary #HH076143 |
| 23 | |
| | My commission expires: 4/9/25 |
| 24 | |
| 25 | |
| | |

| | Page 97 |
|----|--|
| 1 | REPORTER'S VIDEO CONFERENCE DEPOSITION CERTIFICATE |
| 2 | |
| 3 | I, SANDRA GOLDMAN FREDERICKS, Florida |
| 4 | Professional Reporter, certify that I was authorized to |
| 5 | and did stenographically report the video conference |
| 6 | deposition of NICK FERRARA, the witness herein; that a |
| 7 | review of the transcript was requested; that the |
| 8 | foregoing pages numbered from 4 to 95 inclusive is a |
| 9 | true and complete record of my stenographic notes of the |
| 10 | video conference deposition by said witness; and that |
| 11 | this computer-assisted transcript was prepared under my |
| 12 | supervision. |
| 13 | I further certify that I am not a relative, |
| 14 | employee, attorney or counsel of any of the parties, |
| 15 | nor am I a relative or employee of any of the |
| 16 | parties' attorney or counsel connected with the |
| 17 | action. |
| 18 | DATED this 20th day of February, 2025. |
| 19 | |
| 20 | |
| 21 | 0 |
| 22 | Sandra Goldman |
| | SANDRA GOLDMAN FREDERICKS, |
| 23 | Florida Professional Reporter |
| 24 | |
| 25 | |

Veritext Legal Solutions

Page 98 1 Raighne C. Delaney, Esquire rdelaney@beankinney.com 2 February 20, 2025 3 4 RE: Max Minds vs. Triangle Enterprise Group, et al. February 19, 2025 - Nick Ferrara - 7182553 5 The above-referenced transcript is available for 6 7 review. 8 The witness should read the testimony to verify its accuracy. If there are any changes, the witness should 9 10 note those with the reason on the attached Errata Sheet. 11 The witness should, please, date and sign the Errata 12 Sheet and email to the deposing attorney as well as to Veritext at Transcripts-fl@veritext.com and copies will 13 be emailed to all ordering parties. 14 15 It is suggested that the completed errata be returned 30 days from receipt of testimony, as considered 16 reasonable under Federal rules*, however, there is no 17 18 Florida statute to this regard. If the witness fails to do so, the transcript may be 19 20 used as if signed. 21 Yours, 22 Veritext Legal Solutions 23 *Federal Civil Procedure Rule 30(e)/Florida Civil 24 Procedure Rule 1.310(e) 25

| | | ERRATA SHEET | |
|---------|----------|------------------------------|-------------|
| · | | CHANGE | |
| | | | |
| | | CHANGE | |
| | | | |
| PAGE | LINE | CHANGE | |
| | | | |
| | | CHANGE | |
| | | | |
| PAGE | | CHANGE | |
| REASON_ | | | |
| · · | | CHANGE | |
| | | | |
| | | CHANGE | |
| | | | |
| | | CHANGE | |
| | | | |
| | | CHANGE | |
| REASON_ | | | |
| PAGE | | CHANGE | |
| REASON_ | | | |
| | | | |
| Under p | enalties | of perjury, I declare that | I have read |
| the for | egoing d | ocument and that the facts s | tated in it |

[**& - 38**] Page 100

| & 2:6 0 00 23:1 001 5:7 002 5:7 00779 1:2 1 3:4 5:8,12,19 11:1 1-10 1:8 1.310 98:24 10 47:20,25 100 2:4 10:05 1:12 11 42:18 52:8 11:21 52:15 11:27 52:17 12 52:23 12:29 1:12 95:25 12th 16:12 13150 96:19 97:22 15 3:13 75:4,8 75:10,20 78:17 1509 95:5 16 6:17,17 8:4 19:8 | 19 1:13 3:7 96:12 98:4 99:1 1:24 1:2 2 2 3:5 5:9,12 7:7 7:10,15,25 8:5 8:19,23 9:1,16 10:15,16,18,19 10:20 11:1 13:3 13:7,15,20,24 14:2 15:6,20 17:21 19:1 23:21 30:1 33:17 35:1,9,15 38:4 41:5 44:9 46:24 62:4,5 65:22 75:17 82:11 83:11 92:20 20 3:8 17:2 52:8 98:2 2011 52:25 20165 1:12 2017 31:14 43:14 49:25 2017/2018 78:8 2018 16:12 31:14 43:15 50:1,4 2019 43:25 44:6 | 2022 68:23 2023 44:6 61:2 77:1 78:13 2024 77:8 2025 1:13 5:21 96:12,15 97:18 98:2,4 99:1 20th 96:14 97:18 21 3:9,11 16:4 27:20 21301 2:4 22 3:12 42:14,15 22201 2:7 23 68:23,23 2311 2:7 23 68:23,23 2311 2:7 23 68:23,23 2311 2:7 25th 61:2 26 6:7 19:12 47:16 48:8 27 47:14 52:19 52:20 28 47:14 29 19:12 28:5 31:9,22 32:16 34:13,17 42:1,5 47:11 49:13 54:9 55:18 56:4 | 29.1 48:4,4,9,16 49:24 29.3 49:25 3 3 3:7 19:21,24 58:16 65:23 83:11 3.1164 30:1,11 3.3228 82:11 3.3228. 82:14 3.3371. 60:19 3.3415 14:11 3.3415. 13:25 3.3799 32:18 3.3806 31:25 3.3806. 31:24 3.3882. 65:22 30 77:3 98:16,23 305 95:2 30th 21:16 31st 5:21 32 57:12 33 57:16,17 61:3 62:23 63:17 33433 2:4 34 57:16,19 60:17 61:9 81:17 36 58:11 38 58:15 |
|---|---|--|--|
| 16 6:17,17 8:4 | 50:1,4 | 34:13,17 42:1,5 | 36 58:11 |

[4 - analysis] Page 101

| 4 4 2:16 3:8 20:18 | 9 91 2:17 92:14 | 45:24 46:3,24 53:17,18 action 74:7 | advising 74:2 affected 62:7,20 affirmative |
|--|---|---|--|
| 20:22,23 72:23 97:8 4/9/25 96:23 | 95 97:896 2:1798 2:18 | 97:17 activities 64:18 | 59:19 ago 10:5,8 23:6 |
| 40 76:15 77:2,5 42 68:11 | 99 2:18 9th 77:8 | activity 64:24 actual 24:12 | 25:22 agree 90:21 |
| 439-1509 95:4 45 81:16 46 81:16 | a a.m. 1:12 52:15 | 48:24 49:4 70:16 actually 13:2 | agreed 26:18 agreement 3:11 3:12 21:24 |
| 5 5 3:4,6,9 21:2,6 | 52:17 ability 9:17 abisror 2:11 | 14:5,8 17:4 37:15 44:17 | 22:17 23:14 agreements |
| 21:6 5/10/2024 78:19 | able 12:7 14:7 16:1 24:8 49:3 | 52:11 60:15 65:13 69:18 72:14 86:20 | 23:12,15 ahead 7:6 85:17 air 93:5,18,23 |
| 5/9/2024 77:6 500 2:7 | 54:21 94:4,6 above 1:25 5:11 | 93:25 94:13 add 58:7 76:3 | 94:3 al 98:4 99:1 |
| 6 | 11:20 66:24 98:6 | added 5:25 additional 62:8 | algorithm 84:1 allegation 77:12 |
| 6 3:10 22:20,23 71:20,23 6455 52:24 | absolutely 71:17 74:5 | 62:22 76:6 91:5 address 14:24 | allegations 69:22 |
| 7 7 3:11 21:20,23 | abstract 32:24 access 9:2 45:21 accessed 70:9 | 38:16,24 76:18 addressed 63:5 | alleo 69:7 analysis 10:11 |
| 71 3:10 7182553 98:4 | account 38:25 accounts 38:23 | addresses 15:4 15:9 37:1 38:15 adequately | 10:17 12:9 15:3 19:8 22:10 23:11,13,16,16 |
| 99:1 75 3:13 | accuracy 98:9 accurate 29:2 accurately 81:7 | 82:20 admin 11:9 | 25:7,18 26:24 27:8,13,19 |
| 8 3:12 6:16 19:7 22:12,16,19,25 | aces 11:3,21,23 12:18 15:23 | advance 55:4 adversely 62:6 62:20 | 29:16,23 33:1,3 38:7 41:18 44:17,22 46:13 |
| 23:1 882 65:24 | 35:1,2,11,15,17 35:21 36:17 44:4,9 45:5,8,11 | advice 74:7,17 74:22 | 46:21 47:8 77:23 93:19 |
| 000 704 7007 | Veritext Leg | gal Solutions | 207.274.0000 |

[analyze - back] Page 102

| analyze 12:8 | applications | 74:20 | attacked 87:4 |
|-----------------|-----------------------|-----------------|------------------|
| 25:14 | 72:25 85:19 | assembler 66:3 | attempt 72:2 |
| analyzed 19:16 | approach 16:21 | 67:19 | attention 7:22 |
| analyzing 25:19 | 72:8 81:18 | assert 74:24 | attorney 2:8 |
| angular 85:15 | 93:12 | assessment 33:1 | 10:1 97:14,16 |
| 85:18,23 86:1 | approaches | assisted 97:11 | 98:12 |
| 86:22 88:3,10 | 70:6 | associated | attorneys 2:5 |
| 88:12,19,22,23 | approximately | 39:18 73:1 | atypical 55:5 |
| 89:15 | 45:15 | assume 88:8,13 | authored 24:18 |
| annotations | april 61:2 | 94:23 | 29:14 30:4 66:8 |
| 89:21 90:17 | architect 33:3 | assuming 62:15 | 67:4 |
| 91:5 | architectural | 90:16,18 | authoring 64:25 |
| answer 7:19 | 10:13 19:9,10 | assumption | authority 32:9 |
| 21:8 23:25 24:8 | 24:11,23,25 | 41:18 63:10 | authorized 97:4 |
| 24:15,17 26:20 | 25:2,18 27:13 | attached 6:14 | available 21:16 |
| 49:17 56:2 | 28:24 29:6,14 | 71:24 72:4 | 38:7 40:15 |
| 59:19 66:25 | 46:21 47:9,12 | 75:23 98:10 | 41:10 45:25 |
| 68:8 74:13 79:9 | 47:16 52:1 | attachment 7:7 | 68:19,21 69:6,8 |
| 81:1 86:15,24 | architecture | 7:10,15,25 8:5 | 69:18,23,25 |
| 87:14 89:24 | 28:3 29:10 | 8:19,23 9:1,16 | 70:3,4,7,18,25 |
| 95:8 | 40:13 43:19 | 10:15,16,18,19 | 71:4,5,15,16 |
| answered 67:21 | 44:3,21 46:12 | 11:1 15:6,20 | 72:9 89:3 98:6 |
| answers 4:24 | 50:25 51:17,19 | 17:21 19:1 | azure 3:13 |
| anyway 76:2 | 51:23 53:14 | 20:13 23:21 | 75:14,15 |
| apart 22:4 | 54:1 56:18 | 33:17 35:1,9,15 | b |
| 87:12 | area 62:1 | 38:4 41:5 44:9 | b 2:3 3:1 |
| appear 6:3 | argument 88:10 | 46:24 58:16 | back 5:2 10:10 |
| 58:14 | arlington 2:7 | 75:17 91:16 | 12:16 13:18 |
| appearances 2:1 | arrives 82:24 | 92:20 | 17:18 18:9,13 |
| appeared 96:12 | asked 24:21 | attachments | 18:17 19:5,7 |
| application | 25:9,13 41:9 | 20:5,5,11 28:15 | 31:15 33:21 |
| 50:15,19,21,24 | 67:3 76:8 | attack 87:8,25 | 36:19 37:25 |
| 51:20 80:18 | asking 4:15 20:9 | 89:4,10 | 42:13 43:15 |
| 84:9 88:13 | 34:21 72:21 | | |
| 202 -26 -22- | Veritext Leg | gal Solutions | |

[back - change] Page 103

| 45:18 52:7 56:1 | begins 20:10,22 | broader 17:7 | carried 61:10 |
|-----------------------|------------------------|-------------------------|---------------------|
| 56:22 59:7,15 | 21:6 | 51:6 54:19 | case 1:2 5:20 |
| 60:1 66:20,23 | behalf 1:21 | broadly 35:12 | 6:4 7:14 8:11,16 |
| 81:6 82:9 86:2 | believe 15:7 | broken 33:6 | 8:18 9:13 66:17 |
| 89:13 95:17 | 22:9 23:5 37:11 | broward 96:7 | 67:11 69:2 |
| backend 11:9 | 37:20 47:23 | browser 88:1,2 | 77:13 87:18 |
| 40:7,7 | 60:8 90:21 | 88:9 89:1 | 93:11 |
| background | bells 77:9 | build 54:16 65:6 | cases 30:15 |
| 27:24 33:3 | best 8:23 46:6 | 78:20 94:6 | 83:18 87:17,17 |
| bad 10:23 17:4 | better 18:10 | building 65:2,3 | 94:8 |
| banner 76:20 | 28:13 64:7 93:6 | 88:6 | cause 1:25 |
| based 6:11 | beyond 29:22 | built 30:22 57:8 | 15:23 21:16 |
| 23:16 27:11 | 34:22 79:19 | 86:1 | 63:12 91:17 |
| 29:16,23 30:24 | bit 54:19 84:16 | bullet 17:24 | causing 76:22 |
| 33:2 36:3 43:18 | board 28:10,25 | 35:9,14,17,18 | caveat 55:10 |
| 43:20 63:25 | 29:6,10 47:16 | 46:24 | center 30:18 |
| 70:9 74:23 | 50:11,14,18,20 | button 62:13 | centered 29:10 |
| 84:19 85:8 92:8 | 51:9 54:9 56:14 | c | certain 17:9 |
| basic 92:24 | 57:1 | c 2:6 6:22 47:1,5 | 23:15 28:16 |
| basically 7:13 | boards 28:17 | 68:10 69:17 | 47:21 |
| 57:25 69:21 | boca 2:4 | 98:1 | certainly 7:20 |
| basing 53:16 | bookmarks 14:5 | call 55:18 59:14 | 8:1,21 23:5 |
| bates 22:8 23:8 | 14:6 | 61:2 | 31:13 33:24 |
| bean 2:6 10:1 | bottle 52:10 | called 4:3 5:9 | 34:20 36:21 |
| 11:17 | bottom 6:6 | 15:12 19:24 | 37:19 41:8 43:1 |
| beankinney.c | 47:20 79:4 | 30:1 44:16 54:9 | 45:18 72:6 |
| 98:1 | boulevard 2:7 | 65:16 69:8,13 | 73:15 80:18 |
| bearing 25:5 | bounds 94:10 | calling 92:6 | certificate 2:17 |
| beautified 69:13 | box 28:7 | campbell 2:2 | 96:5 97:1 |
| beginning 5:6,6 | boxes 28:17 | capital 68:10 | certify 96:11 |
| 17:18 27:19 | branch 32:9 | caps 83:5 | 97:4,13 |
| 57:12 68:10 | brandon 2:11 | capture 72:25 | cetera 5:7 |
| 72:22 | break 22:3 52:4 | | change 57:25 |
| | 58:2 | | 62:6 99:4,6,7,9 |

Veritext Legal Solutions 800-726-7007 305-376-8800

[change - combination]

Page 104

| 99:10,12,13,15 | chrome 72:10 | clients 28:14 | 47:24 48:19,23 |
|------------------------|--------------------------|------------------------|--------------------|
| 99:16,18 | circular 85:24 | closer 83:21 | 49:12 51:25 |
| changed 57:24 | citation 19:12 | code 3:12 10:11 | 52:2 55:6,12,14 |
| 58:21 59:4 | 82:7 | 10:17,25 11:2,6 | 55:20,21 56:2 |
| 77:21 | cite 7:23 47:21 | 11:7,11,12,12 | 56:23 57:4,10 |
| changes 14:19 | cited 7:21 8:5 | 11:14,16,21,22 | 58:18,24 59:5 |
| 17:9 58:1,17,23 | 18:11,16 23:17 | 12:8,14 14:20 | 62:17 64:14,25 |
| 62:16,20 69:12 | 47:25 50:5 | 14:25 15:5,7,14 | 65:11,21 66:8 |
| 98:9 | 54:20 76:17,24 | 15:15 16:5,9,23 | 67:4,9,16,17,18 |
| changing 59:18 | 77:2 | 17:3,20 18:3,18 | 67:23 68:18,21 |
| characters | citing 8:13 16:8 | 19:15 22:16 | 69:4,12,17,23 |
| 16:19 17:12 | 48:20 | 23:17,20,21,22 | 70:3,8 71:5,15 |
| charlie 17:3 | civil 98:23,23 | 24:1,6,13,18,22 | 73:1,3,4,13 75:7 |
| chat 28:18 29:1 | claim 74:9 | 24:25 25:3,6,7 | 75:15 77:1,18 |
| 51:9 54:10,10 | claimed 81:14 | 25:10,14,16,20 | 78:20 79:12 |
| 55:21 56:15 | clare 1:8 3:7,8 | 25:21,25 26:3,4 | 80:1,15,22,23 |
| 57:1 | 19:25 20:22 | 26:6,8,10,12,13 | 80:25 81:3,25 |
| check 5:22 | clarification | 26:16,25 27:2,6 | 82:9,17 83:6,17 |
| 12:16 16:1 22:8 | 86:11 | 27:7,10,15 | 84:2,4,7,8,9,11 |
| 23:9 33:22,25 | clarify 8:7 71:10 | 28:10,23 29:17 | 84:17,19 85:5 |
| 34:7,23 36:9,19 | 90:24 91:21 | 29:20,23 30:7 | 86:3 87:23 88:2 |
| 36:23 37:22 | clarity 8:17 | 31:4,13 32:7,9 | 88:24 89:4,6,7 |
| 38:11 40:3 47:2 | 13:12 22:18 | 33:2,4,8,10,12 | 91:3 92:1,6,8,10 |
| 48:21 50:2 | 83:3 93:1 | 33:16,18,22 | 92:15 93:3,5,11 |
| 59:15 60:1 68:7 | clear 13:16 26:7 | 34:16,21,25 | 93:13 94:1,6 |
| 75:25 82:7 88:7 | 26:11,17 41:2 | 35:2,7,10,25 | codebases 76:4 |
| 90:25 | 48:14,22 81:19 | 36:4,5 37:17,19 | codes 41:9 |
| checked 40:14 | clearly 4:24 | 37:21 38:4,18 | collaborating |
| checking 59:20 | client 11:4,9 | 39:8 41:4,25 | 64:21 |
| choice 53:13 | 40:7 43:20 | 42:4,9,10 43:15 | collection 75:14 |
| choose 9:14 | 80:21,23 94:13 | 43:21 44:2,3,11 | colon 16:22 |
| choosing 70:24 | client's 25:25 | 44:16,17,22,22 | combination |
| chosen 67:9 | 26:2 70:11,13 | 45:4,19,21 46:8 | 51:8 |
| | | 46:20,22 47:4,8 | |

Veritext Legal Solutions

[combining - consistent]

Page 105

| combining | company 50:19 | compromise | conditions 94:2 |
|---------------------|-----------------|------------------|------------------|
| 56:11 | compare 93:11 | 87:13 | conducted |
| come 12:2 19:5 | compared 44:2 | computer 9:3 | 30:10 |
| 24:22 25:10 | 44:2,9,21 | 11:17 12:1 | conference 1:19 |
| 30:12 31:20 | comparing 51:4 | 23:20 24:1,13 | 2:1 59:14 61:2 |
| 52:7 | comparison | 24:18 25:1,16 | 95:24 97:1,5,10 |
| comes 60:6 | 24:3,9,14 44:14 | 26:5,9,14,25 | confidential |
| comments 33:11 | 45:2 78:7 | 27:8,12,16 | 1:17 49:14 |
| 33:18 36:10 | comparisons | 28:11,23 38:23 | 81:15,21 91:6 |
| 52:24 55:15,16 | 46:1 93:15 | 43:21 44:12,23 | 91:10 |
| 89:21 90:17 | compile 89:13 | 45:4,4,20 46:3,4 | confidentiality |
| 91:6 | compiler 66:3 | 47:3 53:4,9,10 | 49:20 69:1 71:9 |
| commission | 67:19 | 53:19 66:1,7 | 71:14 81:4 |
| 96:23 | complete 6:19 | 67:17 68:2 | configurations |
| commit 15:12 | 26:20 97:9 | 70:11,13 80:21 | 59:3,18 |
| 15:25 16:20,22 | completed | 80:23 93:4,13 | conflating 27:1 |
| 16:25 17:7,8,11 | 98:15 | 93:18 97:11 | connect 44:24 |
| 17:12 36:6,16 | complicated | computers | 93:7 |
| 38:9,16,18 | 67:6 | 78:12 | connected 28:8 |
| 39:22 49:5 | component | concept 17:14 | 28:14 45:20 |
| commits 15:19 | 18:13 50:23 | 28:6,25 29:6 | 54:4 56:13 94:5 |
| 16:4,6,7,21 17:6 | 62:6 | 47:16 50:11,18 | 97:16 |
| 34:8 36:8,15 | components | 50:20 51:1,8 | connection 7:17 |
| 37:2,5,12 38:14 | 19:15 28:16,21 | 55:19 56:15 | 22:1 |
| 39:7,8 40:8,17 | 29:1,8,21 35:11 | concerning 76:8 | connections |
| 41:14 50:3,4 | 43:23 44:20,24 | concerns 71:8 | 54:15 |
| committed | 47:6 51:3 54:4 | 71:14 80:6 86:8 | conscience |
| 39:21 40:1 | compose 92:10 | 86:13,18 87:19 | 54:21 |
| committing | composes 69:4 | 88:19 | considered 7:14 |
| 40:18 | composing | concluded | 7:16 98:16 |
| communicatio | 70:10 | 95:25 | considering |
| 52:21 | comprehensive | conclusion 67:3 | 24:16 |
| compacted | 7:24 36:23 | 67:8 | consistent 14:17 |
| 69:15 | | | 14:20 21:14,18 |

Veritext Legal Solutions

[consistent - de]

Page 106

| 32:20 37:23 | 57:14 | correctly 37:8 | cross 2:17 91:22 |
|------------------|------------------------|-------------------------|-------------------------|
| 38:8,11,14 | contribution | 38:1 54:24 | customer 63:6 |
| 41:14 69:6 | 56:6 | 80:13 85:10 | 63:10,18,19,24 |
| 77:15 82:16 | control 14:18 | 89:16 | customers 64:11 |
| 83:11 | 93:23 | corroborates | 76:22 |
| consists 56:6 | conversation | 10:12 19:8 | cv 1:2 6:14 |
| constitutes 56:5 | 43:7 | counsel 74:4,7 | cycle 61:15 |
| constraint | conversations | 74:18 91:17 | d |
| 73:21 93:3 | 42:19,21,22 | 97:14,16 | data 11:2,7,11 |
| constraints | 43:7 | county 1:12 | 11:12,15,21 |
| 23:25 24:16,20 | copied 84:10 | 96:7 | 23:22 24:13 |
| 27:11 92:1,5,7 | copies 9:3 12:4 | couple 26:1 | 28:14 33:18 |
| 93:2,18 94:12 | 98:13 | course 15:3 | 35:10 36:4,6,9 |
| construction | copy 95:10 | 29:12 59:22 | 37:24 38:12 |
| 64:14 | core 47:9,12 | 75:12,20 76:7 | 43:11 66:1 |
| constructs | 50:24 56:17 | court 1:1 4:23 | 82:24 83:1 85:8 |
| 46:17 | corey 59:5 | 6:23 12:23 | 85:11,14 |
| contain 7:15 | correct 8:20 | 66:22,24 95:2,4 | databases 40:23 |
| 35:25 38:4,15 | 11:18,19 12:11 | 95:9,12,18,20 | date 5:22 15:13 |
| 90:3 | 13:4,16 15:2,17 | 95:22 96:9,20 | 16:24 36:17 |
| contained 6:10 | 17:25 18:2 | covered 28:4 | 68:24 98:11 |
| 13:14 14:23 | 27:25 33:12,13 | 58:16 65:19 | 99:25 |
| 32:16 90:3 | 34:19 35:20 | 69:17 76:12,14 | dated 5:20 |
| content 80:2 | 36:8,13 39:23 | create 18:24 | 52:25 97:18 |
| context 17:1 | 41:23 46:9 | 60:15 69:13,14 | dates 15:14,18 |
| 25:17 30:14 | 47:23 48:11 | 80:6,7 85:6 86:7 | 15:25 16:7 |
| 50:14 70:8 76:6 | 52:21,22 53:5 | 86:22 88:12 | 31:15 50:2 |
| 79:14 83:20 | 53:12,20 56:19 | created 53:18 | day 45:14 80:9 |
| 85:20,23 91:11 | 56:24 65:1 | 66:14,15 | 94:20 96:15 |
| 91:14 | 67:15 71:1,2 | creates 81:3 | 97:18 |
| contractors | 80:14,16 83:19 | creating 64:1,10 | days 98:16 |
| 33:20 34:4 | 84:9 86:5 89:18 | 79:11,12 85:18 | de 89:13 |
| contributed | 90:12 91:4 | 89:9 | uc 07.13 |
| 54:13 56:5 | | | |
| | | | |

Veritext Legal Solutions

[dealing - different]

Page 107

| 11 2617 | 1 . 07.00 | 1 |
|------------------|---|--|
| , | | determined |
| | , i | 28:1 |
| , | | develop 25:25 |
| · | | developed 25:15 |
| , | · | 25:23 26:24 |
| 94:20,24 95:10 | 44:3 47:9,12 | 27:14,18 31:14 |
| 95:11,23 98:1 | 48:4,25 49:6,10 | 32:7,11 34:14 |
| delivery 95:15 | 49:12,13,23,24 | 34:17 37:21 |
| demo 11:8 | 50:11 51:23 | 38:4 44:6 49:25 |
| demonstrates | 53:4,9 54:12,25 | 51:16,20 84:17 |
| 47:8 57:17 | 55:1,7,18 56:7 | developer 61:10 |
| demonstrating | 56:15 59:23 | 61:25 89:22 |
| 57:22 | 60:14 64:14 | developers 39:6 |
| depends 84:3 | 65:11 67:12 | developing 6:20 |
| deposing 98:12 | 84:13 | 30:7 43:16,23 |
| deposition 1:19 | designed 28:2 | 61:16 64:1,5 |
| 1:24 4:10,16 | designing 65:6 | development |
| 52:16 79:1 | designs 10:13 | 10:13 30:13,15 |
| 95:24 97:1,6,10 | 19:9,10 27:3,6,6 | 30:17,20 31:1 |
| depository 11:3 | 27:14,17 32:13 | 31:21,24 32:4,5 |
| describe 31:21 | 32:25 50:7 52:1 | 42:8 46:18 |
| 87:3 | 57:5 66:11,14 | 61:15,20 62:25 |
| described 32:6 | 67:14 | 63:2 64:6,7,8,9 |
| 55:2 62:22 | detail 27:18 | 64:16,22,24 |
| 63:17 80:1 | 48:17 58:10 | 65:10,16,17 |
| describes 48:8 | 69:9,20 | 67:7,25 76:19 |
| describing | detailed 30:1,3 | 94:4 |
| 16:14 | 30:10,21 32:22 | devops 3:13 |
| description 3:3 | 84:3 | 75:14 |
| 16:13 18:10,17 | detected 60:9 | difference 41:23 |
| 30:2,4 32:18,22 | determine 25:10 | 41:25 42:4 |
| 33:14 48:9 79:3 | 26:24 34:16 | 84:21,24 |
| 79:6,21,24 | 40:8 62:5 87:24 | different 40:22 |
| 83:22 | | 42:7 43:19 |
| | delivery 95:15 demo 11:8 demonstrates 47:8 57:17 demonstrating 57:22 depends 84:3 deposing 98:12 deposition 1:19 1:24 4:10,16 52:16 79:1 95:24 97:1,6,10 depository 11:3 describe 31:21 87:3 described 32:6 55:2 62:22 63:17 80:1 describes 48:8 describing 16:14 description 3:3 16:13 18:10,17 30:2,4 32:18,22 33:14 48:9 79:3 79:6,21,24 | 49:15 53:22 63:13 74:6,12 74:15,19 79:8 91:20,23 94:15 94:20,24 95:10 95:11,23 98:1 delivery 95:15 demonstrates 47:8 57:17 demonstrating 57:22 deposition 1:19 1:24 4:10,16 52:16 79:1 95:24 97:1,6,10 depository 11:3 describe 31:21 87:3 described 32:6 55:2 62:22 63:17 80:1 describes 48:8 description 3:3 16:13 18:10,17 30:2,4 32:18,22 33:14 48:9 79:3 79:6,21,24 29:13 30:1,4,10 30:21 31:4 42:9,11 43:19 42:9,11 42:3,47:9,12 42:9,11 42:9,11 42:3,47:9,12 42:9,11 42:3,47:9,12 42:9,11 42:3,47:9,12 42:9,11 42:3,47:0,10 42:14,10,10 42:14,10,10 42:14,10,10 42:14,10,10 42:14,10,10 42:14,10,10 42:14,10,10 42:14,10,10 42:14,10 42:14,10,10 42:14,10,10 42:14,10 42:14,10 42:14,10 43:15 42:14,10 4 |

Veritext Legal Solutions

[different - employees]

Page 108

| | | 1 | 1 |
|------------------------|--------------------|------------------------|-----------------------------|
| 44:20,23,24,25 | district 1:1,1 | double 5:22 | early 12:12 44:5 |
| 48:18 49:8,11 | doctrine 74:25 | 16:10,10,11 | easier 35:13 |
| 65:18 77:5 91:7 | document 5:9 | 37:22 47:2 50:2 | 69:14 |
| difficult 23:24 | 14:5 19:20,24 | download 9:2 | easiest 7:5 18:22 |
| 24:2 | 20:1,17 21:1,7 | 72:8 | easily 23:9 |
| direct 2:16 4:6 | 21:19 22:8,11 | downloaded | 27:10 |
| 6:16 | 22:16,18 32:14 | 12:1 70:11,17 | echo 17:3 |
| directed 43:15 | 32:19 42:15 | 70:22 | edward 1:8 |
| direction 58:21 | 54:25 55:4,7 | downloading | effectively 93:5 |
| directions 72:24 | 71:19 72:9 75:3 | 70:20 72:6 | effort 73:7 |
| 73:14 | 78:24 79:7 | downloads | eight 35:8,9,14 |
| directly 29:24 | 99:22 | 70:19 | 35:25 37:2,5 |
| 70:8 | document's | dozen 4:13 | 38:3 39:22 40:2 |
| directory 82:2 | 22:19 23:8 | drop 47:20 | 46:24 |
| disconnected | documentation | 48:16 | eighth 35:18 |
| 56:8 | 31:3 32:24 33:8 | drywall 65:4 | either 8:4,19 |
| discussed 51:23 | 33:9 36:10 | duly 4:3 96:12 | 88:24 |
| 91:15,25 | 55:11,14 | e | element 28:6 |
| discussing 38:7 | documentations | e 3:1,13 9:7 | 48:10 53:4,9 |
| discussions 74:4 | 29:19 | 14:24 15:4,9 | 84:1 |
| 74:6 | documents 5:11 | 37:1 38:15,16 | elements 25:2 |
| display 85:21 | 7:12 8:4 9:7,12 | 38:19,20,24 | 28:3 47:9,12 |
| displayed 76:21 | 9:14,20,21 10:4 | 76:23 79:16 | 48:5 49:7,11,12 |
| dispute 12:13 | 19:19 29:14,22 | 98:23,24 99:3,3 | 49:14,23,24 |
| distinct 25:19 | 30:22 32:21 | 99:3 | 52:1 54:8,12,15 |
| 49:6 | 33:7 59:23 60:3 | e4d4aa 16:11,19 | 55:1,17 85:21 |
| distinction | 60:14 72:19 | earlier 25:2 | 90:25 91:2 94:1 |
| 66:10,16,18 | 75:19 76:16 | 31:12 32:21 | email 98:12 |
| distinguish | 77:16 92:9 | 55:10 66:9 78:8 | emailed 98:14 |
| 48:24 | doing 34:15 | 82:10 | employee 36:18 |
| distribute 28:8 | 45:19,22 46:18 | | 41:14 97:14,15 |
| distributor | 59:9 61:14 | | employees |
| 61:13 | 64:19 68:9 | 30.3 | 33:19 34:4 |
| | | | 36:22 |
| distributor | 59:9 61:14 | earliest 40:15 50:3 | employees 33:19 34:4 |

Veritext Legal Solutions

Page 109

CONFIDENTIAL

[endif - federal]

| endif 83:1,4 | examine 15:3 | 62:4 65:22 | extended 57:24 |
|------------------------|---------------------------------|-----------------------|------------------------|
| engagement | 40:8 | 71:20,23 75:4,8 | extent 27:5,9 |
| 25:9 43:24 | examined 4:4 | 75:10,20 78:15 | 29:18 60:15 |
| engineer 89:13 | 11:17 12:1 | 78:16 82:11 | 74:13 81:14 |
| engineering 3:5 | 30:23 | exhibits 5:5 | 90:23 |
| 5:10 13:6,15 | example 14:24 | 20:6 92:13 | f |
| 52:24 | 16:8,18 17:2,4,7 | exist 89:22 | facility 12:2 |
| english 83:23 | 17:19 29:5 | existed 40:13 | fact 14:12 24:1 |
| ensure 61:20 | 30:15 38:14 | expect 32:3 | 46:16 53:17 |
| enterprise 98:4 | 42:13 57:16 | expected 82:25 | 54:19 76:19 |
| 99:1 | 59:6 61:1 62:5 | experience 1:7 | factor 87:9,25 |
| entire 17:8 | 76:17 81:17 | 33:2 | facts 66:16 |
| entirely 80:8 | 82:23 83:8,9,24 | expert 3:4 5:8 | 67:10 99:22 |
| entitled 5:8 | 85:6 | 5:19 6:4,11 7:17 | fails 98:19 |
| entries 40:4,22 | except 24:22 | 20:2 74:8 | fair 14:9 |
| environment | 33:7 55:11 57:4 | expired 76:20 | fairly 12:12 |
| 94:5 | excuse 34:6 | expires 96:23 | 21:10 |
| errata 2:18 | 44:15 88:22 | explain 17:15 | fall 44:6 78:13 |
| 98:10,11,15 | executed 21:16 | explanation | familiar 20:15 |
| especially 55:5 | executing 62:25 | 18:18 | far 6:11 55:8 |
| esquire 2:2,3,6 | 64:20 | explore 94:10 | 82:4 86:9 |
| 98:1 | executive 6:16 | expose 82:1 | faster 82:24 |
| et 5:7 98:4 99:1 | exercise 72:3,13 | 91:7,8 | feature 70:12 |
| event 84:6 | exercises 72:15 | exposed 87:22 | features 56:7 |
| everybody | exhibit 3:4,5,7,8 | 89:9 91:15 | february 1:13 |
| 95:23 | 3:9,10,11,12,13 | exposing 81:3 | 96:12,15 97:18 |
| evidence 57:17 | 5:8,9,12,19 | 81:24,25 86:20 | 98:2,4 99:1 |
| 58:11 | 10:20 13:3,7,15 | 87:17,18 88:17 | federal 6:20 |
| exact 9:10 19:12 | 13:20,24 14:2 | 88:19 | 10:14 44:4,6 |
| 68:22,24 78:1 | 19:21,24 20:10 | exposure 86:2,8 | 45:9,11 47:13 |
| examination | 20:18,22,23 | 86:13 | 47:21 48:6,8 |
| 2:16,17 4:6 | 21:2,6,6,20,23 | expressed 66:2 | 50:8 51:25 |
| 91:22 | 22:12,16,19,20 22:23,25 30:1 | 67:18 86:25 | 57:18 67:25 |
| | | | |

Veritext Legal Solutions 800-726-7007 305-376-8800

[federal - functionality]

Page 110

| | T. | | |
|-------------------------|------------------------|-------------------------|------------------------|
| 68:21 69:5 | 72:24,24 76:11 | focus 46:12 | forward 48:4 |
| 76:21 92:6,10 | findings 27:22 | folder 9:20 | found 48:5,10 |
| 94:7 98:17,23 | fine 14:12 52:6 | follow 18:4 73:7 | 49:12 69:19 |
| ferrara 1:19,25 | finish 58:4 | 73:14 | four 11:8,15 |
| 2:15 3:4 4:2,8 | 83:14 86:10 | followed 16:22 | 23:20 35:7 60:8 |
| 5:9 6:25 41:24 | firm 10:2 | follows 4:5 | 92:18 |
| 91:24 94:18 | first 4:3 6:17 | footnote 16:2,9 | fourth 17:24 |
| 96:11 97:6 98:4 | 11:1 15:24 | 16:16 17:2,19 | 78:14 |
| 99:1,25 | 16:18,19 26:2,7 | 47:20,25 48:16 | fpr 96:19 |
| figure 51:2 | 34:25 35:17,25 | 48:17,20 52:23 | frame 68:23 |
| file 5:6 9:8 | 36:17 37:2,5 | 76:17 77:3 | 77:4 86:1 |
| 16:11,23 17:9 | 38:3 39:22 40:2 | 81:17 | framework |
| 18:24 22:21 | 40:14 42:24 | footnotes 7:21 | 85:18 |
| 23:1 69:9,16 | 44:2 45:3,8 | 7:24 8:1,5,20 | fredericks 1:22 |
| 70:20 82:2,2 | 46:24 47:7,15 | 13:4 16:3 17:10 | 96:9,19 97:3,22 |
| 89:12 90:2 | 50:11,18 51:11 | 18:4 54:20 | front 18:23 |
| file's 18:16 | 51:13,19 53:8 | 81:17 | 37:24 69:4 70:9 |
| files 11:25 12:5 | 76:2,3 83:17 | force 52:25 | 70:10,14,16 |
| 16:6 18:20,25 | 92:8 93:4 | foregoing 97:8 | 78:20 80:6,7,25 |
| 29:19 33:13,15 | fischer 2:11 | 99:22 | 85:19,25 |
| 33:19,23,24 | 51:22 | foremost 26:2 | full 17:1 18:18 |
| 44:18 55:12,15 | fit 29:9 46:13 | forget 38:24 | 24:9 79:15 |
| 55:16 70:10,15 | 50:16 | 68:22,23 | fully 94:10 |
| 70:19 72:8 73:3 | fits 29:6 44:21 | forgive 17:13 | fun 62:1 |
| 80:3,7,11,17,20 | five 35:8 52:5 | form 43:11 | function 28:9 |
| 80:23 81:3 86:6 | 52:13 60:8 | 49:15 53:22 | 84:13 |
| 86:8,14,21,21 | fix 58:1 | 57:20 66:2 | functional |
| 87:19 88:3,9 | fixed 59:6 | 67:19 69:8 | 93:25 |
| 89:19 90:10,11 | fl 98:13 | 88:25 92:17 | functionality |
| 90:17 91:8,14 | fleshed 84:18 | format 12:18,19 | 18:23 28:19 |
| finalized 43:12 | florida 1:1,22 | 12:20 | 51:10 54:5,22 |
| find 23:19,22 | 1:23 2:4 96:6,10 | forth 32:24 | 56:7 57:2,23 |
| 24:17 32:15 | 96:20 97:3,23 | 72:13 | 62:2,7,20 69:4 |
| 48:18 66:7 | 98:18,23 | | 69:12,15 70:6 |

Veritext Legal Solutions

[functionality - healthcare]

Page 111

| | T | 1 | I |
|--|------------------------|------------------------|------------------------|
| 70:16,20,23 | generate 88:23 | goes 11:3 48:17 | group 1:7 98:4 |
| 71:4,6,7 80:10 | 89:6 | 72:3 | 99:1 |
| 80:12,15,19 | getting 87:2 | going 4:15 6:14 | guess 8:7 35:4 |
| 82:6 86:25 87:2 | girders 65:3 | 6:15 12:14 | 58:8 70:7 91:10 |
| 87:7,15,20,21 | git 12:19,22,23 | 14:10 17:18 | h |
| 89:9 | 14:17,22 15:5 | 22:21 30:20,23 | h 3:1 6:22 99:3 |
| fundamentally | 15:12 | 30:25 32:6,8,12 | hac 2:3 |
| 19:14 69:11 | give 10:21 14:3 | 38:19 43:18 | half 4:18 |
| further 7:21 | 14:10,14 16:1 | 44:11 50:13,22 | hand 96:14 |
| 17:2 19:19 | 18:10,18 19:11 | 51:6 53:12 | |
| 27:24 28:15 | 20:23 21:7,12 | 55:19 58:12 | handle 4:20 |
| 36:9 50:13 | 26:20 31:25 | 63:4 64:13,19 | 74:7 |
| 51:18 53:12 | 59:19 68:12 | 64:22 65:12,14 | handled 32:10 |
| 57:24 58:1,6 | 78:6 82:12 | 66:16 70:24 | hanging 65:4 |
| 68:1,7,9 84:18 | given 9:2,3,20 | 80:18,20 82:9 | happen 45:7 |
| 91:19 94:15 | 11:25 23:25 | 83:23 85:21 | happens 30:24 |
| 97:13 | 29:13 38:5 39:6 | 86:3 87:2,7,8,10 | happy 26:8 |
| g | 68:2 74:18 | 87:15,22,23 | haptic 6:20,21 |
| | 82:23 | 88:1,21,24 89:2 | 10:14 11:8,9,9,9 |
| g 1:8 12:24 | giving 83:7 | 89:3,4,5 90:10 | 40:7 44:4,5 45:9 |
| gap 93:18 94:3 | gmail 38:25 | 90:14 94:23 | 45:11 47:13,21 |
| gapped 93:6,24 | go 7:6 11:22 | 95:6 | 48:6,8 50:8 |
| general 7:11,19 | 12:2,16 18:17 | goldman 1:22 | 51:25 53:19 |
| 7:23 8:21 9:19 | 19:5,7,19 22:23 | 6:21 95:1 96:9 | 57:18 67:25 |
| 14:17 16:3 | 33:21 34:6 | 96:19 97:3,22 | 68:21 69:5 |
| 27:21,24 28:20 | 36:19 37:25 | good 4:8,9 | 76:21 92:5,10 |
| 32:11 35:6 | 40:19 42:13 | 94:20 | 92:17 |
| 56:23 58:8 59:1 | 45:24 46:19 | government | hard 24:8 |
| 76:14 82:20 | 47:10 48:2,3,17 | 76:22 | hash 17:11,12 |
| 84:5 | 56:1 57:12 | grammatically | hate 85:24 |
| generality 84:20 | 58:10 59:7,15 | 83:19 | heading 11:6 |
| generally 15:2 | 60:1 62:12 72:2 | great 4:14,20 | 27:20 |
| 17:6 35:10 | 72:12 85:17 | 5:4,18 6:6 13:23 | healthcare |
| | 86:2 88:7 | 14:21 52:3,12 | 30:16 |
| The second secon | 00. <u>~</u> 00.7 | 1 1.21 22.2,12 | |

Veritext Legal Solutions

[hear - interconnect]

Page 112

| 1 27 0 | | | |
|---------------------------|------------------|-------------------|-------------------------|
| hear 37:8 | 75:5 | include 33:13 | industry 8:13 |
| heard 37:4 | identified 58:13 | 64:13 | 12:7 30:16 |
| heart 19:15 | 58:14,15,20 | included 20:6 | 81:20 |
| herren 61:4,6 | 59:6 74:20 | 29:19 31:22 | info 76:3 |
| hh076143 96:22 | 92:13 | 39:3 60:9 70:17 | information |
| high 29:4 54:15 | identify 10:16 | 77:10 80:11 | 14:23 15:22 |
| 83:25 | 31:6 36:16 44:8 | includes 27:23 | 24:7 28:7 45:25 |
| higher 32:14 | 73:3 | 64:24 | 49:14 70:25 |
| highlighted | identifying | including 19:12 | 71:4,9,14 79:14 |
| 42:6 | 16:21 34:13 | inclusive 67:2 | 79:18 81:15,21 |
| highlighting | implement 27:3 | 97:8 | 82:1 86:6 90:10 |
| 5:24 | 54:5 55:21 | inconsistent | 90:16 92:24 |
| highlights 6:1,3 | 65:18 | 62:23 | inherent 49:8 |
| histories 38:10 | implementation | incorrect 34:18 | 52:2 |
| history 33:22 | 64:15 | 90:8 | initial 40:12,17 |
| 34:1 40:4,9,20 | implementatio | index 2:13 | 43:7 45:16 63:4 |
| 40:20 48:22 | 54:16 | indicate 15:13 | 73:24 |
| hotmail 38:25 | implemented | 38:15 | initially 38:6 |
| house 65:2,3,6 | 27:15 49:2 50:7 | indicated 6:9 | 53:5 |
| huh 32:1 60:22 | 54:22 56:18 | 55:17 | input 66:2 67:19 |
| 62:18 95:3 | 57:5 58:18 | indicates 6:18 | 82:25 |
| hundred 34:8 | 66:11 | 7:2 63:18 | inquiry 75:1 |
| hundreds 40:22 | implementing | indicating 14:23 | inside 85:8 |
| hypothetical | 52:20 | indication 18:21 | insofar 14:16 |
| 91:12 | implements | 30:9 64:22 | 24:22 33:7 |
| i | 27:6 70:16 | 77:18 89:11 | 55:11 |
| idea 27:1 53:3 | implication | indicative 59:8 | install 43:20 |
| identical 46:9 | 71:18 | individual | instruct 74:12 |
| 46:16 87:20 | important 51:1 | 25:20 27:2 | instructions |
| identification | imposed 92:5 | 66:10 | 66:1 |
| 5:13 19:22 | 94:13 | individuals | integer 85:13 |
| 20:19 21:3,21 | inaudible 7:22 | 37:12 39:14 | interconnect |
| 20:19 21:3,21 22:13 71:21 | 13:10 | 42:25 55:6 | 44:20 |
| 44.13 /1.41 | | | |

Veritext Legal Solutions

[international - korman]

Page 113

| • , , , , | • 06.16 | 00 11 20 01 2 0 | 20 4 24 4 20 |
|-----------------|------------------|------------------------|--------------------|
| international | issues 26:16 | 90:11,20 91:2,9 | 20:4 24:4,20 |
| 13:19 | 63:5 69:1 76:9 | javascript's | 25:17 27:5,12 |
| internet 52:24 | 76:18 77:7 | 80:19 | 29:22 30:14,16 |
| 73:2 94:6 | item 14:11 16:8 | jeffrey 1:8 | 30:21 31:7,11 |
| interoperate | 17:20,24 18:5 | joel 2:3 94:21 | 31:18 32:23 |
| 28:22 | 29:25,25 30:1 | john 1:8 | 33:1,5 34:21 |
| interoperates | 34:25 47:15 | joint 64:8,9,22 | 36:22 37:15 |
| 29:7 | 68:10 79:15,17 | jointly 6:18 | 39:7,11,18 40:1 |
| interpreted | items 11:15 | 58:13 64:1,5 | 40:24 41:17,18 |
| 70:13 | 18:11 29:15 | 66:14 | 42:9,25 45:20 |
| introduce 62:21 | 31:6,8,22 32:16 | jordan 2:11 | 45:23 46:10,18 |
| introduced 62:8 | 34:12,13,17 | jph 1:2 | 47:24 48:19,23 |
| investigated | 35:25 37:2,5 | june 16:12 | 49:3 55:3,8 |
| 87:4 | 38:3 40:2,6 42:1 | k | 58:16,18 59:17 |
| investigating | 42:6 44:8 47:11 | keep 15:8,24 | 59:19 60:8,12 |
| 73:11 | 56:4,11,13 | 73:18 | 60:14 61:18,22 |
| investigation | 75:16 | kevin 1:8 3:9 | 66:12 68:8,22 |
| 73:24 | j | 21:5 39:16,20 | 68:25 69:3,5,19 |
| invoking 74:17 | j 2:2 | 41:15 | 72:17 74:22 |
| involve 74:21 | janna 3:7 19:25 | key 10:12 19:9 | 75:24 76:1,2,19 |
| involved 6:19 | january 5:21 | 19:10 64:15 | 76:23 77:7,10 |
| 45:1 74:1 | 21:16 | keys 80:2 | 77:12 79:13,15 |
| involves 58:9 | javascript 47:6 | kind 39:2 59:9 | 82:4 83:22,24 |
| 74:6 | 69:9,24 70:4,9 | kinds 33:6 | 84:21 85:15 |
| iso 13:17,18 | 70:10,22,23,24 | 61:18 64:18 | 92:2,22,22,23 |
| 60:20 | 71:15 80:4,5,11 | kinney 2:6 10:1 | 92:23 93:10 |
| isolated 24:2 | 80:16 81:5,25 | 11:18 | 95:6,15 |
| 93:4 | 84:21,25 85:5,6 | knew 36:25 | knowledge 6:12 |
| issue 26:10 | 85:18,25 86:4 | know 4:20 5:2 | 76:4 |
| 58:22 68:18,20 | 86:13,18,23 | 5:15 6:11 7:6 | knows 74:15 |
| 69:2 73:11 74:2 | 87:18 88:18,24 | 8:9,22 9:6,9,20 | korman 2:6 |
| 74:20 75:7 | 88:25 89:7,12 | 10:4 13:20 17:4 | |
| 76:25 80:4 81:4 | 89:20,23 90:4 | 17:11,13,15,17 | |
| 81:4 86:2 | 07.20,23 70.7 | 17.11,13,13,17 | |

Veritext Legal Solutions

[labeled - make] Page 114

| labeled 22:20 lack 28:13 93:6 lacking 91:10 laid 28:21 29:15 31:4 language 46:23 47:4 83:18,20 84:9 languages 46:23 large 1:24 96:11 96:20 larger 50:24 55:18 lays 73:8 lead 67:8 leading 29:12 legal 26:16 98:22 | line 14:10 16:13 16:18 17:11 24:21 25:20 27:10 44:2 47:7 48:24 49:5 67:4 75:1 93:15,15 99:4,6,7,9,10,12 99:13,15,16,18 lines 25:6,20 27:2 46:15,20 47:21,25 48:18 49:2,8 66:10,11 67:9 84:15 link 9:1 79:16 linked 55:1 links 54:22 list 7:8,16 11:8 34:25 36:14,20 36:23 39:6,13 39:18 92:14,17 | literally 84:12 little 13:12 14:7 29:3 35:4,13 54:19 live 65:7 llc 1:4 local 38:23,24 location 12:10 logic 70:15 77:13,19 89:14 89:22 logs 92:25 long 42:22 look 7:10,18 9:15,21 16:18 17:2 18:9,17 31:13,25 32:2 32:19 37:16,25 40:19,25 42:13 45:24 46:5,17 | 40:9,11,11,25 41:13 45:18 51:4 58:18 67:11 72:23 73:16 76:2 77:17 81:19 looks 5:24 20:15 lot 5:25 loudoun 1:12 love 52:10 m madam 66:21 made 55:18 62:16 68:18,20 69:6,7,18 84:8 90:8 mail 14:24 15:4 15:9 37:1 38:15 38:16,19,20,24 |
|--|--|--|--|
| level 29:4 32:14 33:6 54:18 83:25 84:20 levels 54:15 license 3:11,12 21:23 22:16 76:20 licensing 76:3,8 76:18 77:7,13 77:19 lifecycle 30:17 64:16 65:16,17 | 92:18 listed 8:4,19,25 10:25 11:10,14 12:22 14:13 15:5,19 16:5,22 17:10,21 18:25 23:21 33:17 47:11 49:24 61:2 69:18 75:16 83:25 92:20 listing 7:24 18:24 | 48:2 49:3 52:19 56:1 59:1,7 65:21 68:1 72:5 75:8,20 76:8 78:14 79:3 80:17,25 81:8 82:11 85:13 87:23,23 88:5 looked 8:18 40:16 looking 10:10 25:18,24 27:2,9 31:2 33:16 34:1 34:16 37:1 38:9 | mailed 9:7 mails 3:13 76:23 main 11:4 make 8:22 13:8 15:8 16:17 26:20 35:13 41:2,21 48:22 58:1,6 62:1,19 63:4 65:13 70:6 70:21,25 71:4,5 81:6,23 85:24 86:16 87:12 90:25 |
| 000 707 7007 | Veritext Leg | gal Solutions | 205 256 2222 |

[making - morning]

Page 115

| making 48:14 11:14 23:21 meetings 51:22 minification 69:10,10 81:11 65:7 69:22,24 62:16,17 67:24 72:3,5,13,16,19 69:10,10 81:11 70:23,71:14,15 69:24 72:25 72:21,22,23 69:24 70:3 management 14:18 75:15 78:12 83:8 98:4 15:18 80:5,11,16 81:5 manager 17:22 18:1,5,7 mex's 26:6,12 memorialize 71:15 72:8 80:4 manufacturer 69:12 80:20 77:14 78:10,11 mean 7:,25 8:4 mentioned 82:9 89:23 90:11,20 map 73:3 75:7 27:5 34:5,8,19 8:7 9:19 13:21 message 17:7 94:12 message 17:7 minute 14:3 minutes 23:6 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 84:14 messages 28:8 52:5,13 95:16 minutes 23:6 86:3 49:18 53:21 marked 13:7,15 9:5 23:17 45:13,14,16 metadata 34:9 36:12 38:14 misheard 10:20 missing 84:16 misheard 10:20 missing 84:16 match 39:7 65:2 66:25 68:4 material 7:13 9:5 23:17 77:25 78:25 materials 7:4,8 79:10,19 88:21 middle 19:7 90:79 11 10:20,21 middle 19:7 14:15 16:1 19:6 88:19 59:18,20 mechanism minute 19:4 matter 19:4 matter 19:4 matter 19:4 medicare 30:18 max 1:4 6:19 medium 9:10 middle 19:7 minute 14:3 minutes 23:25 middle 7:24 middle 19:7 22:24 month 4:514 months 10:5,8 90:13 11:6:11 | | | | |
|--|---------------------|------------------|-----------------------|-----------------|
| 65:7 69:22,24 70:2,3 71:14,15 62:16,17 67:24 69:24 72:25 72:3,5,13,16,19 72:21,22,23 minified 69:9,16 69:24 70:3 management 14:18 75:15 78:12 83:8 98:4 15:18 80:5,11,16 81:5 manager 17:22 18:1,5,7 max's 26:6,12 77:14 78:10,11 memorize 45:23 memorized 86:20 87:18 86:20 87:18 manner 69:12 80:20 mean 7:7,25 8:4 man 7:7,25 8:4 man facturer men 7:7,25 8:4 87:19 13:21 mentioned 82:9 94:12 89:23 90:11,20 91:3,9 map 73:3 75:7 80:3,7,10,16,17 80:22 81:3,25 39:14 42:7 43:4 45:13,14,16 message 17:7 28:7,17 77:5 minute 14:3 minutes 23:6 maps 69:23 70:3 71:5,16 80:2 86:3 49:18 53:21 45:13,14,16 metadata 34:9 36:12 38:14 minutes 23:6 52:5,13 95:16 mase 1:8 maked 13:7,15 maked 39:7 material 7:13 55:8 57:4,7 58:8 60:25 62:12 metadata 34:9 9:17 91:5 misheard 10:20 missing 84:16 material 7:13 9:5 23:17 72:26,20 73:15 77:25 78:25 methodology 27:24 9:11 10:20,21 14:15 16:1 19:6 meaning 93:6 00:1 79:1 meaning 93:6 measures 81:21 mechanism midde 19:7 22:24 20:23 21:7 mids 1:4 43:24 mothodology 9:11 10:20,21 14:15 16:1 19:6 26:22 31:25 32:22 31:25 methodology 9:11 10:20,21 14:15 16:1 19:6 | _ | | _ | |
| 70:2,3 71:14,15 69:24 72:25 72:21,22,23 69:24 70:3 management 73:10 77:1 memorialize 71:15 72:8 80:4 14:18 75:15 78:12 83:8 98:4 15:18 80:5,11,16 81:5 manner 69:12 77:14 78:10,11 memorized 80:20 88:18 89:12,20 manufacturer 8:7 9:19 13:21 40:21 88:18 89:12,20 63:3 14:16 19:10 message 17:7 80:3,7,10,16,17 36:6 38:17 84:14 91:3,9 80:3,7,10,16,17 36:6 38:17 84:14 85:25,13 95:16 maps 69:23 70:3 45:13,14,16 messages 28:8 minutes 23:6 71:5,16 80:2 49:18 53:21 36:12 38:14 39:2 89:21 63:23 marked 13:7,15 55:8 57:4,7 58:8 60:25 62:12 90:17 91:5 63:22 material 7:13 72:6,20 73:15 72:25 78:25 72:24 methodology 9:11 10:20,21 8:15,17,25 meaning 93:6 meaning 93:6 middle 19:7 22:24 20:23 21:7 8:19 59:18,20 meaning 93:6 middle 19:7 <t< td=""><td></td><td>· ·</td><td></td><td>· ·</td></t<> | | · · | | · · |
| management 73:10 77:1 memorialize 71:15 72:8 80:4 manager 17:22 18:1,5,7 max's 26:6,12 memorized 80:20 87:18 manner 69:12 77:14 78:10,11 40:21 88:18 89:12,20 manufacturer 8:7 9:19 13:21 94:12 91:3,9 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minute 14:3 map 73:3,75:7 36:6 38:17 84:14 52:5,13 95:16 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 minutes 23:6 86:3 49:18 53:21 36:12 38:14 36:12 38:14 36:13 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 mischaracteris material 7:13 72:6,20 73:15 72:25 78:25 72:24 minutes 23:2 materials 7:4,8 79:10,19 88:21 middle 19:7 12:14 12:14 12:14 12:14 12:14 12:14 12:14 14:60:19 13:22 14:15 16:1 16:5 <td>,</td> <td>,</td> <td></td> <td>"</td> | , | , | | " |
| 14:18 75:15 78:12 83:8 98:4 15:18 80:5,11,16 81:5 manager 17:22 99:1 memorize 45:23 81:25 86:17,19 manner 69:12 77:14 78:10,11 40:21 88:18 89:12,20 manufacturer 8:7 9:19 13:21 94:12 91:3,9 63:3 14:16 19:10 message 17:7 minute 14:3 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 minutes 23:6 86:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 misheard 10:20 86:3 49:18 53:21 36:12 38:14 missing 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 mismeard 10:20 mater 39:7 65:2 66:25 68:4 90:17 methodology modified 57:24 material 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 midle 19:7 42:15 16:1 19:6 8:19 59:18,20 mechanism mileage 60:14 mileage 60:14 month 45:14 94:11 medicare 30:18 72:25 73 | 70:2,3 71:14,15 | | , , | |
| manager 17:22 99:1 memorize 45:23 81:25 86:17,19 manner 69:12 max's 26:6,12 memorized 86:20 87:18 manner 69:12 77:14 78:10,11 40:21 88:18 89:12,20 manufacturer 8:7 9:19 13:21 94:12 91:3,9 63:3 14:16 19:10 message 17:7 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 80:22 81:3,25 39:14 42:7 43:4 messages 28:7,17 77:5 minute 23:6 86:3 45:13,14,16 75:14 63:13 mischaracteri 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 mischaracteri 8ase 1:8 60:25 62:12 90:17 91:5 63:22 material 7:13 72:6,20 73:15 77:25 78:25 77:24 methodology 9:5 23:17 77:25 78:25 27:24 moment 5:2 22:24 20:23 21:7 ma | _ | 73:10 77:1 | memorialize | 71:15 72:8 80:4 |
| 18:1,5,7 max's 26:6,12 memorized 86:20 87:18 manner 69:12 77:14 78:10,11 40:21 88:18 89:12,20 manufacturer 8:7 9:19 13:21 94:12 91:3,9 63:3 14:16 19:10 message 17:7 minute 14:3 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minutes 23:6 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 maps 69:23 70:3 45:13,14,16 messages 28:8 mischaracteri maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 misning 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 72:24 moment 5:23 9:10,19 88:21 middle 19:7 14:15 16:1 19:6 8:19,59:18,20 | 14:18 75:15 | 78:12 83:8 98:4 | 15:18 | , , |
| manner 69:12 77:14 78:10,11 40:21 88:18 89:12,20 manufacturer 8:7 9:19 13:21 94:12 91:3,9 63:3 14:16 19:10 message 17:7 minute 14:3 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minute 14:3 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 mischaracteri maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 misning 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misning 84:16 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 72:24 moment 5:23 materials 7:4,8 79:10,19 88:21 middle 19:7 14:15 16:1 19:6 8:15,17,25 <th< td=""><td>manager 17:22</td><td>99:1</td><td>memorize 45:23</td><td>81:25 86:17,19</td></th<> | manager 17:22 | 99:1 | memorize 45:23 | 81:25 86:17,19 |
| 80:20 mean 7:7,25 8:4 mentioned 82:9 89:23 90:11,20 manufacturer 8:7 9:19 13:21 94:12 91:3,9 63:3 14:16 19:10 message 17:7 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minute 14:3 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 52:5,13 95:16 maps 69:23 70:3 45:13,14,16 messages 28:8 mischaracteri maps 69:23 70:3 45:13,14,16 75:14 63:13 63:13 marked 13:7,15 46:6 48:1,6 metadata 34:9 misheard 10:20 mase 1:8 60:25 62:12 90:17 91:5 63:22 misunderstood material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 modified 57:24 materials 7:4,8 79:10,19 88:21 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning | 18:1,5,7 | max's 26:6,12 | memorized | 86:20 87:18 |
| manufacturer 8:7 9:19 13:21 94:12 91:3,9 63:3 14:16 19:10 message 17:7 minute 14:3 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minutes 23:6 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 mischaracteri 69:23 70:3 45:13,14,16 metadata 34:9 mischaracteri 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 mischaracteri 63:13 mischaracteri 63:13 mischaracteri 63:13 mischaracteri 63:13 mischaracteri 63:13 mischaracteri 63:13 mischaracteri 75:14 mischaracteri 63:13 mischaracteri 63:13 mischaracteri 75:14 mischaracteri mischaracteri 75:14 mischaracteri 90:17 91:5 63:22 material 7:13 72:6,20 73:15 <td< td=""><td>manner 69:12</td><td>77:14 78:10,11</td><td>40:21</td><td>88:18 89:12,20</td></td<> | manner 69:12 | 77:14 78:10,11 | 40:21 | 88:18 89:12,20 |
| 63:3 14:16 19:10 message 17:7 minute 14:3 map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minutes 23:6 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 mischaracteri maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 missing 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 meaning 93:6 22:24 20:23 21:7 58:19 59:18,20 mechanism mileage 60:14 68:9,12 78:6 60:1 79:1 media 28:16 mind 60:7 month 45:14 | 80:20 | mean 7:7,25 8:4 | mentioned 82:9 | 89:23 90:11,20 |
| map 73:3 75:7 27:5 34:5,8,19 28:7,17 77:5 minutes 23:6 80:3,7,10,16,17 36:6 38:17 84:14 52:5,13 95:16 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 mischaracteri 63:13 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 mischaracteri 63:13 match 39:7 65:2 66:25 68:4 90:17 91:5 63:22 misunderstood material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:19 59:18,20 measures 81:21 midway 16:18 32:2 44:15 48:1 60:1 79:1 12:14 mileage 60:14 <t< td=""><td>manufacturer</td><td>8:7 9:19 13:21</td><td>94:12</td><td>91:3,9</td></t<> | manufacturer | 8:7 9:19 13:21 | 94:12 | 91:3,9 |
| 80:3,7,10,16,17 36:6 38:17 39:14 42:7 43:4 messages 28:8 mischaracteri maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 mischaracteri 86:3 49:18 53:21 36:12 38:14 missing 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 meaning 93:6 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 | 63:3 | 14:16 19:10 | message 17:7 | minute 14:3 |
| 80:22 81:3,25 39:14 42:7 43:4 messages 28:8 mischaracteri maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 misheard 10:20 86:3 49:18 53:21 36:12 38:14 misheard 10:20 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misheard 10:20 mase 1:8 60:25 62:12 90:17 91:5 63:22 mkk 1:2 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 meaning 93:6 39:2 24 20:23 21:7 58:19 59:18,20 mechanism mileage 60:14 68:9,12 78:6 matter 19:4 media 28:16 29:1 minds 1:4 43:24 months 10:5,8 <t< td=""><td>map 73:3 75:7</td><td>27:5 34:5,8,19</td><td>28:7,17 77:5</td><td>minutes 23:6</td></t<> | map 73:3 75:7 | 27:5 34:5,8,19 | 28:7,17 77:5 | minutes 23:6 |
| maps 69:23 70:3 45:13,14,16 75:14 63:13 71:5,16 80:2 46:6 48:1,6 metadata 34:9 misheard 10:20 86:3 49:18 53:21 36:12 38:14 missing 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 match 39:7 65:2 66:25 68:4 92:25 mkk 1:2 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 | 80:3,7,10,16,17 | 36:6 38:17 | 84:14 | 52:5,13 95:16 |
| 71:5,16 80:2 46:6 48:1,6 metadata 34:9 misheard 10:20 86:3 49:18 53:21 36:12 38:14 missing 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 match 39:7 65:2 66:25 68:4 92:25 mkk 1:2 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | 80:22 81:3,25 | 39:14 42:7 43:4 | messages 28:8 | mischaracteri |
| 86:3 49:18 53:21 36:12 38:14 missing 84:16 marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 match 39:7 65:2 66:25 68:4 92:25 mkk 1:2 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 measures 81:21 midway 16:18 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | maps 69:23 70:3 | 45:13,14,16 | 75:14 | 63:13 |
| marked 13:7,15 55:8 57:4,7 58:8 39:2 89:21 misunderstood mase 1:8 60:25 62:12 90:17 91:5 63:22 match 39:7 65:2 66:25 68:4 92:25 mkk 1:2 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 | 71:5,16 80:2 | 46:6 48:1,6 | metadata 34:9 | misheard 10:20 |
| mase 1:8 match 60:25 62:12 match 90:17 91:5 match 63:22 match material 7:13 72:6,20 73:15 72:6,20 73:15 methodology methodology modified 57:24 moment 5:23 moment 5:23 moment 5:23 moment 5:23 moment 5:23 moment 5:23 moment 9:11 10:20,21 moment 5:23 moment 9:11 10:20,21 moment 9:11 10:20,21 moment 12:0,21 moment 12:0,22 | 86:3 | 49:18 53:21 | 36:12 38:14 | missing 84:16 |
| match 39:7 65:2 66:25 68:4 92:25 mkk 1:2 material 7:13 72:6,20 73:15 methodology modified 57:24 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 25:22 31:25 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 98:4 99:1 morning 4:8,9 | marked 13:7,15 | 55:8 57:4,7 58:8 | 39:2 89:21 | misunderstood |
| material7:1372:6,20 73:15methodologymodified57:249:5 23:1777:25 78:2527:24moment5:23materials7:4,879:10,19 88:21mid44:6 78:129:11 10:20,217:16 8:5,10,1290:5,24 91:10middle19:714:15 16:1 19:68:15,17,25meaning93:622:2420:23 21:736:19,24 55:12measures81:21midway16:1825:22 31:2558:19 59:18,20mechanismmileage60:1432:2 44:15 48:160:1 79:112:14miller2:268:9,12 78:6matter19:4media28:16mind60:7month45:1473:12 87:1629:1minds1:4 43:24months10:5,894:11medicare30:1872:25 73:1043:4max1:4 6:1998:4 99:1morning4:8,9 | mase 1:8 | 60:25 62:12 | 90:17 91:5 | 63:22 |
| 9:5 23:17 77:25 78:25 27:24 moment 5:23 materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 mind 60:7 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | match 39:7 | 65:2 66:25 68:4 | 92:25 | mkk 1:2 |
| materials 7:4,8 79:10,19 88:21 mid 44:6 78:12 9:11 10:20,21 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 98:4 99:1 morning 4:8,9 | material 7:13 | 72:6,20 73:15 | methodology | modified 57:24 |
| 7:16 8:5,10,12 90:5,24 91:10 middle 19:7 14:15 16:1 19:6 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 mind 60:7 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | 9:5 23:17 | 77:25 78:25 | 27:24 | moment 5:23 |
| 8:15,17,25 meaning 93:6 22:24 20:23 21:7 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 98:4 99:1 morning 4:8,9 | materials 7:4,8 | 79:10,19 88:21 | mid 44:6 78:12 | 9:11 10:20,21 |
| 36:19,24 55:12 measures 81:21 midway 16:18 25:22 31:25 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 mind 60:7 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | 7:16 8:5,10,12 | 90:5,24 91:10 | middle 19:7 | 14:15 16:1 19:6 |
| 58:19 59:18,20 mechanism mileage 60:14 32:2 44:15 48:1 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 mind 60:7 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | 8:15,17,25 | meaning 93:6 | 22:24 | 20:23 21:7 |
| 60:1 79:1 12:14 miller 2:2 68:9,12 78:6 matter 19:4 media 28:16 mind 60:7 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | 36:19,24 55:12 | measures 81:21 | midway 16:18 | 25:22 31:25 |
| matter 19:4 media 28:16 mind 60:7 month 45:14 73:12 87:16 29:1 minds 1:4 43:24 months 10:5,8 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 98:4 99:1 morning 4:8,9 | 58:19 59:18,20 | mechanism | mileage 60:14 | 32:2 44:15 48:1 |
| 73:12 87:16 94:11 max 1:4 6:19 29:1 minds 1:4 43:24 72:25 73:10 98:4 99:1 morning 4:8,9 | 60:1 79:1 | 12:14 | miller 2:2 | 68:9,12 78:6 |
| 94:11 medicare 30:18 72:25 73:10 43:4 max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | matter 19:4 | media 28:16 | mind 60:7 | month 45:14 |
| max 1:4 6:19 medium 9:10 98:4 99:1 morning 4:8,9 | 73:12 87:16 | 29:1 | minds 1:4 43:24 | months 10:5,8 |
| | 94:11 | medicare 30:18 | 72:25 73:10 | 43:4 |
| 10:13 11:6.11 | max 1:4 6:19 | medium 9:10 | 98:4 99:1 | morning 4:8,9 |
| 10110 1110,11 | 10:13 11:6,11 | | | |

Veritext Legal Solutions

[motions - okay]

Page 116

| motions 20:7 | 92:9 | 95:1 | oh 14:8,13 |
|-------------------------|------------------------|-----------------------|---------------------|
| 75:23 | necessary 65:15 | numbered 23:8 | 36:16 44:13 |
| moving 43:18 | 84:6 93:9 | 97:8 | 54:2 66:12 78:9 |
| mullican 1:8 3:9 | need 7:18 24:13 | numbers 5:6,12 | okay 4:14,20 |
| 21:6 39:16 | 39:12,16 48:24 | 0 | 6:6,9 7:2,15 8:3 |
| 41:15 43:1 | 62:19 70:22 | oath 2:17 96:5 | 8:17 9:12 11:5 |
| 51:21 | 80:22 88:24 | obfuscate 69:11 | 11:14,20 12:6,9 |
| mullican's | 89:3 91:2 93:11 | object 49:15 | 12:18 13:1,20 |
| 39:20 | 95:7,16,17 | 53:22 | 14:9,14 15:8,11 |
| multiple 15:14 | needed 45:25 | objection 63:13 | 15:18,22 17:20 |
| 72:15 | network 45:21 | 79:8 91:18 | 17:23 18:3,7,24 |
| n | never 56:25 | obscurity 81:18 | 19:3,17 20:9,21 |
| name 14:24 | 57:2 | observed 59:12 | 21:5,9,11,23 |
| 18:24 22:22,23 | new 43:23 | obviously 8:12 | 23:1,3,10,12 |
| 23:1 38:19,20 | nick 1:19,24 | 23:5 24:10 | 25:9,22 26:7,18 |
| 39:1,18,20 | 2:15 3:4 4:2 5:8 | 27:22 31:17 | 27:17 28:1,24 |
| named 11:3,4 | 96:11 97:6 98:4 | 39:16 56:22 | 29:12,25 31:3 |
| names 5:6 15:4 | 99:1,25 | 58:17 65:18 | 31:20 33:9,15 |
| 15:9 37:1 39:6 | nine 35:8 | 69:10 79:16 | 34:2,12,24 |
| 39:14,21,25 | notary 1:23 | 92:22 93:9 | 35:17,24 36:3,5 |
| 40:17 41:15 | 96:10,20,22 | offer 52:9 | 36:14 37:10,14 |
| 82:2 | note 15:18 17:1 | offered 24:19 | 37:18 38:1,13 |
| narrow 50:22 | 98:10 | 49:19 77:11,20 | 39:5,17,20,25 |
| 51:7 | noted 16:24 | 77:22 | 40:6,16 41:2,11 |
| natively 88:3 | notes 15:8,24 | offering 41:3 | 41:21 42:12,17 |
| 89:1 | 33:11 43:8 | offhand 20:8 | 42:21 43:2,6,8 |
| nature 30:25 | 73:18 97:9 | 22:9 36:11 88:5 | 43:10 44:1,13 |
| 32:10,17 61:22 | notice 1:24 | office 12:9 | 45:2,10 46:2,8 |
| 84:4,4 90:17 | number 3:3 | offices 11:17 | 46:14 47:3,9,15 |
| 91:7 | 13:5 14:11 | official 96:14 | 47:19,24 48:3 |
| necessarily 29:5 | 19:21 20:18 | oftentimes | 48:16 49:10,22 |
| 30:6 31:1 39:10 | 21:2,20 22:8,12 | 30:16 | 50:6,9,17 51:8 |
| | 71:20,23 75:4 | 30.10 | 51:15 52:3,12 |
| 55:5,7 90:19 | 82:13 92:12,16 | | 52:19,23 53:3 |
| | V 7 | val Solutions | 1 |

Veritext Legal Solutions

[okay - particular]

Page 117

| 53:16 54:8 55:9 | 49:10 50:17 | own 12:1 22:18 | 60:17 61:3,8 |
|-----------------------|---------------------|------------------------|-----------------------|
| 55:14 56:3,11 | 53:16 56:4 | 34:9 45:20 46:3 | 62:23 63:17 |
| 56:20,25 57:9 | 68:14 69:3 | owned 49:14 | 64:3 68:11 |
| 58:3,23 59:11 | 71:25 74:8 81:2 | ownership 26:9 | 76:14 77:2,5 |
| 59:22 60:3 61:8 | 81:2,5,10,23,24 | 26:15 | paragraphs |
| 62:17 63:23 | opinions 21:12 | p | 19:12 |
| 64:5,6,23 65:25 | 22:1,6 26:15 | p 6:22 | parallel 61:5,7 |
| 66:6 67:14,16 | 29:13 41:6 | p.a. 2:3 | 63:9 |
| 68:10,13 70:2 | 49:19 77:11,22 | p.m. 1:12 95:25 | parameters |
| 70:22 71:3,8,18 | opposed 44:18 | page 2:14,18 3:3 | 74:23 |
| 72:2,12 73:7 | 74:8 | 6:7,16 11:1 19:7 | parenthetical |
| 74:11,16 75:2 | order 39:7 | 20:22 22:24 | 16:13 |
| 75:11 76:1,7,11 | 61:20 70:14,15 | 42:18 48:18 | parenthetically |
| 77:17,24 78:9 | 70:23 80:21 | 65:11 68:11 | 16:12,24 |
| 78:14,18,21 | 87:24 88:23 | 72:23 76:2,3 | part 8:14 15:7 |
| 79:5 81:2,12,23 | 95:15 | 78:14 79:4,19 | 20:10 26:23 |
| 82:9,15,16,23 | ordered 95:12 | 88:12 99:4,6,7,9 | 27:8 29:10 |
| 83:10,13 84:6 | ordering 98:14 | 99:10,12,13,15 | 30:22 35:21 |
| 84:24 85:13,15 | organization | 99:16,18 | 50:24 51:3 54:1 |
| 86:2,6,12 88:1,8 | 28:20 38:21 | pages 5:25 97:8 | 54:17 61:15,19 |
| 88:13,15 89:19 | 49:1,7 | panel 14:7 | 61:25 91:3 |
| 90:9,22 91:4 | organizational | paper 9:3 66:13 | particular 16:4 |
| 95:6,9,12,18,19 | 19:14 | papers 20:4 | 16:6,8,13,20,23 |
| ones 9:15,17,17 | original 87:19 | paragraph 6:17 | 16:24 18:11,16 |
| 11:14,20 92:20 | 88:3,11,19 | 6:17 8:4 19:7 | 23:24 25:17 |
| online 69:25 | originally 53:5 | 27:19 28:5 31:9 | 30:8,23 32:9,13 |
| 70:3,4 | outset 51:24 | 31:22 32:16 | 38:21 46:20 |
| open 5:8,16,17 | 73:12,24 | 34:13,17 42:1,5 | 49:5,5 50:15 |
| 14:6 | outside 26:16 | 42:14,15 44:1 | 53:13,14 61:17 |
| operates 19:16 | overlap 70:5 | 47:7,11,19 48:4 | 62:1 64:3 83:14 |
| 49:1 | oversimplified | 49:13 52:19,20 | 83:20 84:1,13 |
| operation 87:3 | 53:24 | 54:9 55:18 56:4 | 85:1,14 92:23 |
| opinion 24:10 | overview 29:21 | 56:12 57:12 | 93:12 94:11 |
| 24:19 41:3 | | | |

Veritext Legal Solutions

[particularly - prepared]

Page 118

| particularly | perjury 6:10 | plaintiff's 3:2 | 67:24 91:25 |
|------------------------|--------------------|-------------------------|------------------|
| 25:14 40:12 | 99:21 | 5:12 19:21 | portion 69:6 |
| 59:8 | person 9:24 | 20:18 21:2,20 | position 10:12 |
| particulars | 14:24 25:21,21 | 22:12 71:20 | 19:9 21:15,18 |
| 46:19 | 36:6,16,18 | 75:4 | 25:7 |
| parties 10:17 | 38:16 66:13 | plan 31:21,24 | positive 20:16 |
| 12:13 20:6 | 67:5 | 32:4 60:11 | possibility 59:9 |
| 46:22 51:24 | personal 6:12 | plans 32:5 59:25 | 59:11 |
| 58:13 60:15 | personnel 36:14 | please 13:12 | possible 7:20 |
| 64:10,21 76:18 | 58:15 | 23:2 42:15 | 8:1,22 40:15 |
| 97:14,16 98:14 | perspective 87:5 | 66:22 72:24 | 62:14 90:13 |
| parties' 10:11 | pertain 68:25 | 78:15 98:11 | 93:17 94:3 |
| 47:8 | pertains 25:14 | plug 72:10 | potential 81:13 |
| parts 42:8 44:25 | phase 30:21 | plural 36:8 | 89:10 |
| 56:21 | phases 30:19 | point 4:13,18 | potentially |
| party 62:24 | 64:15 | 16:2,17 28:4,9 | 15:14 68:25 |
| 66:15 | phone 94:25 | 35:18,19 36:12 | 74:4 87:4 93:23 |
| pasted 84:10 | phonetic 15:24 | 40:10 41:12 | powerline 2:4 |
| path 16:22 | 59:5 | 48:22 49:9 | practical 94:4 |
| pc 2:6 | phrase 25:22 | 58:11 63:19 | practice 62:14 |
| pen 66:13 | 28:18 41:19 | 65:8 68:22 | prearranged |
| penalties 99:21 | 89:24 | 70:21 71:25 | 93:9 |
| penalty 6:10 | phrased 53:7 | 72:7,15 73:10 | predate 50:7 |
| people 15:4 | 89:17 90:6,7 | 74:25 76:12 | predecessor |
| 36:22 37:1,3,6 | piece 55:20,21 | 78:1 81:16 82:5 | 44:4 |
| 38:4,22 40:18 | 72:20 | 84:8 90:9 | preexisting 41:9 |
| perfectly 14:11 | pieces 29:9 | pointed 24:12 | premarked 5:12 |
| performance | 46:13 50:15 | 24:23 66:9 | 19:21 20:18 |
| 62:7,21 | place 42:22 93:4 | 67:12 77:2,25 | 21:2,20 22:12 |
| performed | placed 27:11 | 78:7 93:21 | 71:20 75:4 |
| 57:18 | places 13:5 | pointing 54:20 | preparation |
| period 31:15,19 | plaintiff 1:5,21 | 69:3 | 20:1 |
| 45:10,15 69:19 | 2:5 | points 7:23 35:9 | prepared 5:20 |
| 76:25 | | 35:14 46:24 | 97:11 |

Veritext Legal Solutions

[preparing - quotes]

Page 119

| preparing 7:8 | processes 32:5 | provided 9:16 | put 6:2 27:19 |
|-------------------------|------------------------|-------------------|------------------------------|
| 7:17 78:25 | 65:19 | 10:12 12:4,12 | 38:24 93:7,10 |
| present 2:9 25:2 | produced 7:14 | 18:14 19:9 | putting 65:3,8 |
| 27:7 52:1 80:19 | 8:10,15,18,24 | 20:14 21:10 | puzzle 50:15 |
| 91:3 | 9:13 12:15 25:8 | 24:7 25:3 31:11 | q |
| press 62:12 | 30:7 78:12 | 36:20,24 37:20 | _ |
| pretty 12:21 | 92:11,19 93:3,5 | 38:6 39:12 | quality 63:5 |
| 17:16 84:4 | 94:7 | 51:23 67:24 | question 13:8 |
| previous 90:6 | product 64:11 | 79:1 92:9 94:10 | 22:15 23:24 24:15,17 25:5 |
| previously | 74:17,25 | provides 29:20 | 24.13,17 23.3 25:19 26:20 |
| 43:17,22 50:20 | professional | 85:3 | 41:20 42:2 |
| primarily 33:4 | 1:22 97:4,23 | providing 14:8 | 48:15 49:6,16 |
| 47:5 | program 14:19 | 22:1,5 63:6 | 55:24,25 56:9 |
| primary 87:8 | 53:5,9,10 85:12 | 74:21 86:17,19 | 66:19,20,23 |
| 92:7 | 91:2 | pseudo 24:6 | 67:2 71:11 |
| prior 21:17 22:5 | programatically | 67:23 82:9,17 | 72:12,18 74:23 |
| 43:24 75:24 | 60:9 | 83:6,17 84:2,4,7 | 75:18,19 79:24 |
| privilege 74:9 | programming | 84:8,17,19 | 80:8 86:11,16 |
| 74:17,24 91:18 | 46:17,23 55:5 | public 1:23 | 86:16,17 88:7 |
| pro 2:3 | 83:18,20 | 96:10,20 | 90:6 92:4 |
| probably 4:18 | project 30:8,23 | publications | questions 4:15 |
| 4:20 7:5 9:5,6,8 | 62:25 63:2 64:9 | 8:13 | 4:24 17:17 |
| 18:22 29:3 | 64:19 | publicly 68:19 | 19:18 22:2 75:9 |
| 68:23 | project's 32:13 | 69:8 70:7,18 | 91:19 94:16 |
| problem 58:1 | projects 30:24 | 73:1 89:2 | quicker 14:7 |
| 58:20 76:22 | promulgated | pudding 57:7 | quickly 95:7,16 |
| 89:8 90:7 95:18 | 30:18 | pull 87:11 | quite 37:9 41:19 |
| procedure | protect 81:20 | purpose 28:21 | 49:9 51:7 53:6 |
| 98:23,24 | protocol 52:21 | 32:11 51:20 | 70:1 89:18 |
| process 30:13 | 52:24 | 57:21 61:17 | quote 16:10,11 |
| 42:8,9 46:6 | provide 16:6 | purposes 54:17 | quotes 16:5,10 |
| 64:20 67:8 74:1 | 18:21 85:21 | 88:13 94:11 | |
| 82:25 88:3,9 | 92:25 | pursuant 1:24 | |
| | | | |

Veritext Legal Solutions 800-726-7007 305-376-8800

[r - relevant] Page 120

| r | reasonable | record 6:18 7:2 | 71:19 75:3 |
|------------------|------------------|------------------------|-----------------|
| | 98:17 | 8:3,9,14 11:16 | referring 7:3 |
| r 99:3,3 | recall 8:23 9:9 | 15:9 23:18 | 8:15 10:16 |
| raighne 2:6 98:1 | 13:1 18:13 20:7 | 25:15 26:11 | 17:21 18:5 |
| raised 74:3 80:4 | 20:15 23:4,7 | 31:18 39:15 | 26:13 27:18 |
| 82:5 91:17 | 24:4 29:21 30:8 | 40:1 57:17 | 35:13 78:23 |
| rather 17:8 | 34:2,3,10 36:11 | 59:25 64:1 | refers 79:11 |
| 28:15 34:6 74:8 | 37:13 38:9 | 67:22 76:16 | refines 85:10 |
| raton 2:4 | 39:23 40:4,9,10 | 83:3 91:21 97:9 | reflex 17:14 |
| rdelaney 98:1 | 41:13,16 42:25 | recorded 66:24 | refresh 60:2 |
| reaction 74:24 | 43:4,13 45:13 | records 58:19 | refreshed 45:18 |
| read 5:2 11:15 | 47:6 55:25 | 73:18 75:25 | regard 98:18 |
| 44:18,23 55:16 | 59:24 73:10,12 | recreate 73:8 | regarding 24:11 |
| 66:20,23 67:9 | 73:15,16,23 | recurred 57:23 | 76:17 |
| 69:14 89:22 | 75:24 85:10 | redefined 85:22 | regression |
| 94:23,24 98:8 | receipt 98:16 | reduce 54:18 | 57:19 60:17,18 |
| 99:21 | receive 8:25 | refer 13:5,13,20 | 60:23,24 61:4,7 |
| readily 60:6 | 28:14 | 16:3,4 18:3 | 61:9,15,21,24 |
| reading 2:18 | received 83:1 | 19:11 26:8 | 62:4,13 63:9 |
| 16:15,15 58:4 | recent 20:7 50:4 | 35:12 36:15 | regular 95:15 |
| 79:24 | 75:23 | 52:23 56:22 | 95:15 |
| readme 18:20 | recently 20:14 | 57:16,19 81:6 | reject 82:25 |
| 29:18 33:13,15 | 21:10 43:3 | reference 92:17 | related 25:15 |
| 33:19,24 55:12 | recess 52:15 | referenced | 28:18 |
| 55:15,16 | recipients 3:13 | 13:18 59:14 | relationship |
| really 8:14,15 | recognized | 98:6 | 51:24 |
| 27:13 46:7 | 81:20 | references 24:5 | relationships |
| 79:13,20 81:10 | recollection | 24:6 59:24 | 44:19,24 |
| 94:3 | 9:19 12:17 34:6 | 67:22 | relative 97:13 |
| reason 98:10 | 36:2,3 43:14 | referred 5:11 | 97:15 |
| 99:5,7,8,10,11 | 60:2 | 8:19 13:17 17:5 | relevant 8:2 |
| 99:13,14,16,17 | recommending | 19:20 20:17 | 18:12 29:20 |
| 99:19 | 74:2 | 21:1,19 22:11 | 31:2 |
| | 77.2 | 26:12 66:23 | J1.4 |
| | | 20.12 00.23 | |

Veritext Legal Solutions 800-726-7007

305-376-8800

[reliability - review]

Page 121

| reliability 62:7 | 24:12,24 26:17 | repository 11:2 | respective 28:5 |
|------------------------|--------------------|-----------------|------------------|
| 62:21 | 27:20 28:4 | 11:3,7,11,12,15 | respectively |
| relied 7:8 8:18 | 29:13 35:12,22 | 11:21,23 12:19 | 5:13 44:7 |
| 22:10 | 41:22 42:16 | 13:2,25 14:1,13 | responding 4:4 |
| rely 21:11,25 | 43:12 50:5 | 14:18,25 15:13 | response 83:15 |
| 22:6 23:10,12 | 58:16 64:17 | 15:15 16:9,23 | responsibilities |
| relying 23:14 | 65:20 69:10 | 17:3,20,22 18:4 | 64:10 |
| remediated | 72:7 76:13 | 18:8 23:21 | restraints 68:2 |
| 58:13 | 77:11,23,25 | 33:18 34:23,25 | result 46:16 |
| remember 9:23 | 81:2,6 82:17 | 35:10 36:4,5 | 58:24 |
| 10:6 41:1 73:9 | 92:21 94:11 | 37:17,24 38:12 | resumed 52:16 |
| reminder 4:22 | 97:5 | 38:18 39:3 40:3 | returned 98:15 |
| remote 12:10 | reporter 1:23 | 40:19,25 48:2 | reverse 89:13 |
| remotely 4:17 | 4:23 6:23 12:23 | 48:21 49:4 | reversed 48:11 |
| 96:11 | 66:21,22,24 | representation | review 11:17 |
| remove 80:1,2 | 95:4,9,12,18,20 | 38:5 | 12:2,7 14:3,14 |
| removed 77:1 | 95:22 96:9,20 | represented | 15:7 20:1 21:7 |
| 77:18 | 97:4,23 | 38:2 | 21:25 22:5 |
| removing 77:13 | reporter's 97:1 | requested 92:24 | 23:19,20,25 |
| render 70:14 | reports 60:8 | 97:7 | 24:16,18 25:1 |
| 88:12 | repos 33:16 | required 30:22 | 25:16 26:4,9,13 |
| rendering 71:25 | 38:2 39:22 | 62:5 81:22 91:1 | 26:25 27:7,12 |
| 81:24 | repositories | requirements | 27:16 28:10,23 |
| repeat 5:2 13:9 | 11:13 12:4,21 | 31:5,8,12,16,17 | 29:12 30:3,10 |
| 22:3 26:19 53:6 | 12:22 14:22 | 32:13 | 30:21 31:20 |
| rephrase 24:24 | 15:5,19 16:5 | resolve 58:22 | 32:8,15 34:15 |
| 61:5 68:19 | 18:20,25 23:20 | resolved 57:23 | 36:4,5 37:23 |
| repo 15:24 36:7 | 29:24 31:14 | resources 72:7 | 38:9 44:12,22 |
| reporer 95:2 | 33:25 34:9 | 72:10 | 45:3,3,4,5,11,11 |
| report 3:4 5:8 | 40:14,21 41:5 | respect 11:20 | 45:17,19,21 |
| 5:19 6:4,11 7:4 | 41:16 92:12,15 | 12:18 15:23 | 46:2,4 47:3 |
| 7:9,17,21 8:6 | 92:16,18,23 | 66:6 69:22,24 | 53:19 59:22 |
| 10:10 13:4,13 | 93:1,22 94:7 | 75:7 81:15 | 66:7 67:17 68:2 |
| 15:6 20:2 21:12 | | | 68:9 71:23 |

Veritext Legal Solutions

[review - seems] Page 122

| 72:25 75:12,21 | ring 77:9 | save 72:10 | section 11:1,10 |
|-----------------------|-----------------------|---------------------|------------------------|
| 76:7 78:12 79:1 | road 2:4 | saving 73:23 | 27:23 35:16 |
| 82:19 92:1,5 | robert 1:8 3:8 | saw 21:17 23:6 | 58:9 64:17 |
| 93:4 97:7 98:7 | 3:10 20:21 | 23:7 31:4 39:20 | 65:19 68:15 |
| reviewed 11:16 | 71:24 | 39:25 48:8 | 69:17 78:2 |
| 22:7 25:3 44:16 | rothman 2:3,16 | 53:17,18 55:15 | 79:21,25 |
| 45:8 66:7 67:17 | 4:7 5:14 6:21,24 | 56:25 57:2 | security 60:10 |
| 75:16 76:16 | 12:25 19:23 | 59:14 60:1 | 71:9,14 80:6 |
| 93:14 | 20:20 21:4,22 | saying 25:20 | 81:4,18 86:7,12 |
| reviewing 11:22 | 22:14 49:21 | 42:14 49:11 | 86:18 87:5,19 |
| 36:15 44:17 | 52:4,7,12,18 | 51:7,12 53:3,8 | 88:18 |
| 73:15 | 54:7 63:15 | 54:12,14 56:16 | see 6:25 15:23 |
| revised 15:15 | 66:20 67:13 | 57:14 60:24 | 17:19,23 30:3,9 |
| right 4:24 8:8 | 71:22 74:11,14 | 61:12 69:21 | 31:3 32:3 33:18 |
| 8:19 10:3,6 13:1 | 74:16 75:2,6 | 84:17 85:7 | 33:22 34:1 36:9 |
| 13:21 23:3 | 79:22 91:19 | 87:17 | 36:20 39:16 |
| 25:23,25 31:9 | 92:2 94:17,22 | says 16:19 22:19 | 40:17 46:8 |
| 33:10,21 34:14 | 94:25 95:3,5,14 | 61:6,6 63:8 66:1 | 47:17 49:4 |
| 38:8 40:10 41:5 | 95:19,21 | 72:23 76:3 | 51:25 53:1 |
| 47:11,22 48:5,7 | rule 98:23,24 | 79:17,20 82:24 | 55:15 59:7,22 |
| 52:13 53:7,11 | rules 98:17 | scope 26:16 | 60:3 62:8 66:4 |
| 54:9 57:6 59:2 | run 61:6 80:21 | 41:22 | 73:5 75:13,16 |
| 61:7,10,20 | 88:2,9,25 | screen 85:21 | 75:19 77:17,18 |
| 62:11 67:14 | running 44:18 | script 79:11 | 77:24 83:2 |
| 68:12 73:11,17 | 61:4 63:8 70:11 | scroll 10:21 | seeing 30:8 34:2 |
| 73:24 74:22 | 93:22 | 68:12 | 34:3 75:24 |
| 77:4,12,14 | S | se 8:14 | seem 29:21 |
| 79:23 86:4 | s 3:1 99:3 | seal 96:14 | 37:12 41:13 |
| 88:16 89:20,23 | safe 35:5 65:7 | search 93:15 | 56:12 58:17 |
| 89:25 90:15,19 | sake 88:10 | second 10:11 | 59:24 73:10,15 |
| 90:20 91:20 | salient 7:23 | 20:22 45:9 | 74:19 |
| 94:15,20 95:8 | sandra 1:22 | 66:22 79:3 88:8 | seems 39:23 |
| 95:14,14,23 | 96:9,19 97:3,22 | secrets 69:2 | 41:22,24 62:10 |
| | , | | |

Veritext Legal Solutions 800-726-7007 305-376-8800

Page 123 [seen - source]

| seen 20:4 23:4,5 | sharp 47:5 | site 9:9 | software's |
|-----------------------|-------------------------|--------------------------|------------------------|
| 31:7,11,15 33:5 | sheet 2:18 98:10 | sitting 34:2 41:3 | 61:19 |
| 38:22 55:3,8 | 98:12 | 74:22 77:9 | software's |
| 60:9,12 63:25 | show 69:15 78:1 | six 10:4 16:19 | 61:10 |
| 67:22 75:12,22 | 94:1 | 17:12 35:8 | solutions 98:22 |
| 76:23 77:15 | shown 80:5,15 | skip 6:15 | somebody 62:12 |
| 78:22,25 | side 9:13 24:2,2 | small 55:6 | 67:3 83:7 85:12 |
| select 9:17 | 24:9,9,14,14 | software 3:5 | 87:11 89:3,6 |
| send 28:14 | 70:13 93:14,14 | 5:10 6:20 10:14 | somebody's |
| sent 5:5 9:1,8 | sign 98:11 | 13:6,14 18:14 | 87:22 |
| 14:6 23:6 | signature 2:18 | 28:15,21 30:13 | sorry 7:6 10:18 |
| sentence 6:17 | 6:6 96:19 97:22 | 30:15,17 31:21 | 10:20,22 17:4 |
| 10:11 61:8 | signed 98:20 | 31:24 32:4,5,6 | 35:8 37:7 42:2 |
| separate 24:10 | similar 57:20 | 32:11,17 35:11 | 48:13 65:23 |
| 56:6 | 67:14 | 35:15,21 36:17 | 71:10 75:18 |
| sequence 48:25 | similarities | 40:1,13,18 42:8 | 78:10,16,23 |
| 49:7 | 24:11,23,25 | 43:16,21,24 | 82:12 83:16 |
| served 73:1 | 67:12 68:5 | 44:5,6,25 45:3,9 | 93:22 |
| servers 70:18 | 93:16 | 45:12 47:13,14 | sort 7:24 9:8 |
| serves 28:9 | simon 3:10 | 47:22 48:5,6,9 | 12:13 14:16 |
| serviceable 46:7 | 71:24 72:3,19 | 48:10 50:8,12 | 27:1 32:20,24 |
| services 30:18 | 73:8 92:9 | 50:19,21 57:19 | 40:24 43:11,16 |
| set 9:21 64:16 | simon's 74:3 | 59:10 60:14 | 46:18 56:17 |
| 73:13 85:3,20 | 91:16 | 61:13,13,16 | 58:9,21 59:23 |
| 91:11 | simple 66:19 | 62:16,25 63:2,3 | 61:25 64:15 |
| sets 24:13 32:24 | simply 82:5 | 63:19,24 64:2 | 69:16,19 73:21 |
| 72:13 93:13 | simultaneously | 64:11,16 65:10 | 73:22,23 83:24 |
| seven 35:8 | 45:2 | 65:16,17 66:6 | 83:25 84:12 |
| several 10:6 | single 28:6 | 67:7,16,25 | 85:3,24 91:11 |
| 28:3 62:3 91:25 | sinnk 61:4 | 68:21 69:5,7 | sounds 64:24 |
| share 64:10 | sit 9:11 34:10 | 70:7 76:9,20,21 | source 3:12 |
| shared 64:13 | 39:23 40:4 48:1 | 76:23 77:14,19 | 10:11,17,25 |
| sharing 9:8 | 56:1 73:17 | 78:8,10,11 87:3 | 11:2,6,7,11,11 |
| | | 93:24 | 11:12,14,16,21 |

Veritext Legal Solutions

[source - submission]

Page 124

| 11:22 12:8,14 | 79:12 80:1,2,7 | specifies 54:25 | steps 64:20,21 |
|------------------|--------------------|-------------------------|-------------------------|
| 14:20 16:5,9,23 | 80:10,15,17,22 | src 16:11 | 65:5,8,15 67:7 |
| 17:3,20 18:3,18 | 80:23 81:3,25 | sriplaw 2:3 | 73:2,7 |
| 19:15 22:16 | 84:9 86:3 92:1,6 | ss 96:7 | sticker 22:19,21 |
| 23:17,19,21,22 | 92:8,10,15 | stable 62:2 | stood 93:24 |
| 24:1,12,17,25 | 93:11,13 94:6 | stand 94:4 | store 14:19 |
| 25:3,14,16,20 | source's 80:2 | standard 12:7 | stored 28:17 |
| 25:21,25 26:2,4 | southern 1:1 | 13:5,19 60:20 | 32:7 85:8 |
| 26:6,8,10,12,13 | speak 42:24 | standards 8:13 | story 78:19 |
| 26:15,25 27:2,6 | 43:2,3 | standpoint 56:7 | straight 23:16 |
| 27:7,15 28:7,10 | speaking 90:14 | start 6:15 17:12 | streaming 28:19 |
| 28:23 29:20,23 | specific 9:5 | 41:8 42:24 | 51:10 54:10,10 |
| 30:7 31:4 32:7,9 | 11:24 16:2,6 | 49:19 | 55:22 56:15 |
| 33:1,4,8,9,12,18 | 17:8 25:6 27:22 | started 51:24 | 57:2 |
| 33:22 34:20,25 | 30:19,25 32:12 | starting 11:21 | strictly 90:14 |
| 35:2,6,10,25 | 35:4 54:15,16 | 41:12 | string 85:14 |
| 36:4,5,12 37:17 | 54:21 57:21 | starts 11:2 | stringent 81:21 |
| 38:18 39:8 41:4 | 66:16 67:10 | state 1:23 96:6 | 85:3 |
| 41:25 42:4 | 81:9,10 83:18 | 96:10,20 | strip 78:19 80:1 |
| 43:15 44:2,3,11 | 84:3,15 85:7,11 | stated 81:7 92:2 | structural 84:1 |
| 44:22 45:4,19 | 86:4,7 94:1 | 99:22 | structurally |
| 45:21 46:8,22 | specifically 10:4 | statement 83:7 | 91:1 |
| 47:8,24 48:19 | 20:9 31:16 | 89:11 91:4 | structure 48:25 |
| 48:23 49:12 | 34:22 35:13 | statements 46:8 | 49:7 85:22 |
| 52:2 55:12,14 | 45:13 56:2 | states 1:1 | structured |
| 56:23 57:4,10 | 78:23 | static 44:16,22 | 84:25 |
| 58:18,23 59:5 | specification | statute 98:18 | structures 82:3 |
| 62:17 64:25 | 60:4 | stenographic | stuff 8:22 90:18 |
| 65:11,21 66:7 | specifications | 97:9 | subcomponents |
| 67:16,17,18 | 59:23 | stenographica | 19:13 |
| 68:18,21 69:4 | specifics 9:9 | 97:5 | subject 78:19 |
| 69:12,23 70:2 | 19:6 34:10 | step 72:18,19,24 | submission |
| 71:5,15 73:1,3,3 | 40:10 41:16 | 72:24 | 15:12 |
| 75:7,15 77:1 | 73:13,17 78:6 | | |

Veritext Legal Solutions

[submitted - teg's]

Page 125

| | T. | | |
|--------------------|-------------------------|------------------|-------------------------|
| submitted 6:4,9 | 57:25 58:5,6 | 84:7 89:12 | 17:3,19 18:3 |
| 14:25 15:15 | 59:13 62:1,19 | taken 1:21 4:10 | 23:23 24:18 |
| submitting 15:5 | 63:4 65:7,13 | 4:16,17 52:15 | 25:3,15,22,24 |
| subparts 28:5 | 68:16 71:17 | talk 4:22 13:2 | 26:24 27:5,15 |
| subsequently | 76:10 79:18 | 33:9 52:20 | 27:18 28:1 |
| 15:14 45:5 | 80:8 81:6,23 | 55:19 58:17 | 29:15 30:4 31:5 |
| substantial 68:5 | 82:19 85:16 | 59:17 60:17,23 | 31:23 32:17 |
| suggested 98:15 | 86:10,16 88:6 | 61:4 | 33:17,19 34:4 |
| suggesting | 90:25 | talking 8:3,9,10 | 34:14,17,21,25 |
| 56:12 | switchboard.c | 26:4,11 27:9,14 | 35:3,10 36:1,14 |
| suitable 66:2 | 16:11 | 27:17 31:8 | 36:18,22 37:3,6 |
| 67:19 | sworn 4:4 96:13 | 33:11 35:7,15 | 37:12,20 38:4 |
| suite 2:4,7 | system 9:3 27:4 | 39:3 48:23 | 39:6,9,19 40:18 |
| summarize 7:5 | 29:7 33:3 43:18 | 50:14 53:14 | 41:3,4,14 42:1,5 |
| 18:22 68:14 | 43:20 44:20 | 60:20 61:1 63:7 | 42:20 44:3 |
| 82:21 | 49:1 50:25 51:3 | 63:8 64:3 72:20 | 47:13 48:10 |
| summarized | 51:16 56:21 | 77:4 78:3,17 | 49:14 50:10,17 |
| 54:14 | 57:18,20 59:3 | 79:7,10 83:6,7 | 51:11,20 53:8 |
| summarizing | 59:10 62:1,6 | 87:5 | 53:18 54:13 |
| 28:24 | 75:15 93:18,23 | task 52:25 | 55:19 56:5 |
| summary 6:16 | 94:3 | tasks 63:1 64:13 | 57:14,18 58:15 |
| 18:10,21 | systems 3:5 5:10 | team 55:6 | 58:20,21,23 |
| supervision | 13:6,14,18 54:5 | technical 6:19 | 59:4 60:4,5,5,24 |
| 97:12 | 93:7 | 17:13,16 19:4 | 63:10,19,23,23 |
| support 36:10 | t | 22:10 23:11 | 66:8 67:20 |
| suppose 45:16 | t 3:1 6:22 12:24 | 61:9,18,21 63:1 | 68:20 69:22 |
| sure 4:25 10:24 | 99:3,3 | 64:13,20 | 70:2 73:2,9 74:2 |
| 12:21 13:8,22 | take 7:18 15:18 | technique 44:16 | 74:18 77:13,18 |
| 19:4 20:3,15,24 | 31:25 32:2,19 | 69:11 81:14 | 83:7 94:13 |
| 21:17 22:7 | 42:13,22,23 | technology | teg's 19:8 21:15 |
| 26:20 37:9 | 43:8 52:4,13 | 14:19 28:13 | 21:18 41:9 48:5 |
| 39:24 41:7,21 | 65:21 72:5 75:7 | 53:13 | 52:2 53:3 56:6 |
| 44:10 48:14 | 78:14 79:3 81:8 | teg 6:18 11:2,11 | 56:15 78:8 |
| 52:10 53:6 | 70.11 77.5 01.0 | 11:21 16:4,9 | |
| | | ral Calutiana | |

Veritext Legal Solutions

[teg's - together]

Page 126

| teg's 10:12 44:4 | 98:8,16 | 82:1 89:19 90:3 | 86:24 87:14,21 |
|----------------------|------------------------|-----------------|--------------------|
| tell 10:3 18:8 | testing 57:13,15 | 90:18 91:5,6 | 89:18,24,25 |
| 37:15 79:20 | 57:18,19,20,21 | 93:25 94:2,9 | 90:2,6,7,14 |
| 85:17 | 58:9,12,24 | think 4:13,19 | 91:14 92:14 |
| telling 43:13 | 59:10,25 60:11 | 6:5 7:11,13,19 | 93:20 95:16 |
| template 85:15 | 60:17,18,23,24 | 8:21,24 9:6,7 | thinking 93:20 |
| 85:20,23,25 | 61:7,9,15,24 | 10:3 11:10 | third 82:25 |
| templates 86:22 | 62:1,4,5 63:9 | 12:11,12 13:9 | thought 37:4 |
| 88:4,10,12,20 | 64:2,4,15 65:7 | 15:10 19:2 | three 29:1,15 |
| 88:22,23 89:15 | 73:20 94:1 | 20:13 21:8,10 | 31:5,22 32:16 |
| ten 23:6 | tests 61:19,24 | 21:14,15,17 | 34:13 35:7 40:6 |
| term 14:1,2 | text 48:25 49:2 | 22:2 23:11,14 | 42:1,5 49:13 |
| 17:14 28:13 | 49:5 66:10,11 | 23:15 24:19,20 | 54:8,11 55:1,17 |
| 35:22 82:17,21 | thank 5:18 6:23 | 27:1,12 29:9 | 56:4,6,11,12 |
| 84:5 93:6 | 26:22 42:12 | 30:5,14 31:15 | throw 17:14 |
| terms 13:7,14 | 91:24 94:17,19 | 31:18 32:20 | time 14:20 25:8 |
| 14:6 24:12 25:6 | 95:22,23 | 33:21 34:19 | 31:19 37:3 |
| 27:14 31:7 32:7 | thanks 52:14 | 36:8 37:11,23 | 40:15 45:6,10 |
| 32:23 56:23 | 95:21 | 38:6,8,8,10,10 | 45:15 51:19 |
| 57:15 58:19 | theoretically | 38:13 40:11 | 52:16 68:3,22 |
| 60:11 69:15,17 | 62:13 | 41:15,20,23 | 68:22 69:19 |
| 69:18 71:3,6,8 | thereof 69:6 | 43:9,25 47:1,5 | 73:21 76:24 |
| 71:13 72:6 85:1 | thing 40:24 47:2 | 48:11 49:19,25 | 77:4 82:12 |
| 88:18 91:11 | 61:25 68:20 | 50:4,13 51:13 | 94:17 |
| 93:19 | 69:2,23 84:14 | 51:19 56:10,17 | times 4:12,18 |
| test 59:23,25 | 87:10,15 91:21 | 56:18,23 63:22 | 38:22 |
| 60:3,4 61:9 | 93:17,20 | 63:23 64:17 | today 5:20 34:3 |
| 62:13 65:13 | things 7:20 8:1 | 66:25 67:2,21 | 40:5 |
| testified 4:4 | 24:24 26:1 | 67:22 72:7 | together 29:9 |
| 51:22 | 32:10,13 34:14 | 73:20,20 74:24 | 44:21 46:13 |
| testimony 24:6 | 41:2 54:23 59:3 | 75:23 76:12,14 | 50:16 51:10 |
| 50:10 55:10 | 59:4,17 60:10 | 77:15,20,22,25 | 54:23 55:1 56:5 |
| 63:14,22 67:23 | 64:14 67:23 | 78:25 82:5,6,20 | 57:2 61:5 63:9 |
| 82:18 91:24 | 68:5,18 72:9 | 85:16 86:5,15 | |

Veritext Legal Solutions

[told - use] Page 127

| told 53:18 | tried 35:12 | typically 17:10 | 69:1 79:6 80:8 |
|-------------------|----------------------|----------------------|-----------------|
| tools 12:7 93:10 | true 7:11 8:21 | 30:12 32:5,14 | 80:12 86:15,16 |
| top 11:1 15:6,20 | 13:13 97:9 | 39:1 40:25 61:9 | 89:11,16 |
| 17:21 18:25 | 99:22 | 61:14,14,23 | understanding |
| 33:17 35:1,9,14 | truth 6:11 | 62:24 64:10,14 | 14:22 15:1,11 |
| 38:3 41:5 | try 4:22 7:23 | 79:11 81:22 | 15:16 21:15,18 |
| totally 83:19 | 68:1 87:24 89:4 | 82:21 84:25 | 23:15 25:11 |
| 88:6 | trying 16:17 | 85:20 94:5 | 26:9 34:5,12,15 |
| towards 36:12 | 35:23 36:25 | u | 34:20,24 35:2,6 |
| trade 69:1 | 37:4 41:1 51:2 | uh 32:1 60:22 | 35:24 36:21 |
| training 33:2 | 56:3 70:21 | 62:18 95:3 | 37:19 41:8,17 |
| transaction | 76:18,23 | ultimately 43:11 | 48:3 51:21 |
| 17:22 18:1,5,7 | turn 10:15 84:8 | 57:8 58:20 | 60:25 82:21 |
| transaction.m | turning 68:10 | 64:11 67:1 71:6 | understood |
| 16:10 | two 17:5 22:2 | 76:25 87:8,15 | 24:15 44:19,19 |
| transcribed | 28:25 35:7 | 88:21 89:2,5 | 63:16 69:21 |
| 61:3 | 49:23 51:5 54:5 | under 6:9 11:6 | 91:13 |
| transcript 62:15 | 82:1 92:7 93:2 | 11:10,14,20 | united 1:1 |
| 95:7 97:7,11 | type 50:18,20 | 23:21 27:20 | unquote 16:12 |
| 98:6,19 | 81:18 85:8,11 | 33:17 35:9 73:2 | upfront 60:16 |
| transcripts | 85:14 | 97:11 98:17 | upstream 42:9 |
| 98:13 | types 28:16 82:2 | 99:21 | 89:5 |
| transfer 80:22 | 85:2 | underlying 27:3 | use 23:1 28:12 |
| transferred | typescript 84:22 | 43:23 70:19 | 28:25 29:1 |
| 80:21 | 85:3,10 86:3,6,8 | 89:14 | 38:22 50:11,18 |
| translated 91:3 | 86:19,20,21,21 | understand 5:1 | 51:9,9,11,14 |
| translator 66:3 | 87:19 88:3,6,9 | 13:8 20:12 25:4 | 53:4,8,17,19,25 |
| 67:20 | 88:11,19,22,23 | 36:25 37:4 38:1 | 53:25 54:25 |
| transmission | 89:14,19 90:2,9 | 40:12 41:21 | 55:20 56:14 |
| 9:10 28:13 | 90:16 91:8 | 42:19 43:19 | 57:1 70:24 |
| triangle 1:7 | typical 16:21 | 51:2 54:24 | 76:23 80:4 |
| 98:4 99:1 | 63:2 64:18 | 55:24,25 56:3,9 | 81:13,17 82:17 |
| triangleexperi | 65:15 93:12 | 66:18 68:17,20 | 84:5,12 88:11 |
| 38:17 | | | 88:21 |

Veritext Legal Solutions 800-726-7007 305-376-8800

[used - work] Page 128

| used 9:10 10:13 12:5 14:19 25:22 27:3 28:7 28:16 47:9 50:20 56:5 72:8 72:10,11 82:22 86:22 88:2 94:2 94:2 98:20 user 3:11 21:23 61:13,22 62:10 62:24 70:25 71:2,5 78:19 users 28:8 uses 81:13 using 14:1,2 30:17 35:22 44:16 51:16 66:8,14 84:7,19 | verbiage 83:14 verify 98:8 veritext 98:13 | vocabulary 3:6 5:10 13:6,15 29:25 vs 98:4 99:1 vulnerabilities 60:10 w want 6:16 9:18 19:18 28:18 41:21 48:22 52:4 65:6 75:9 81:23 87:12 91:20 95:9 wanted 9:17 58:6 water 52:11 way 7:5 18:22 22:9 25:7 37:16 | websockets 28:12,25 51:9 52:21 53:4,9,17 53:19,25 54:1,2 54:3,9 55:20 56:14 57:1 wednesday 1:12 weeds 24:21 weeks 45:16 went 45:18 whatnot 67:24 wilson 2:7 withdrawn 50:9 71:18 witness 2:14,17 2:18,18 4:3 12:23 49:18 52:6,10 53:23 |
|--|---|---|---|
| 85:2,4,12 86:1 86:22 usually 39:2 utilize 70:23 v v 1:6 variable 85:1,2 85:7,7,12 varies 9:5 84:19 various 3:13 7:4 58:14 61:18 67:24 77:16 vary 60:15 85:8 vendor 63:3 64:19 | 35:18 51:10 54:10 55:21 56:15 57:1 95:24 97:1,5,10 videos 59:14 view 63:19 71:13 73:3 79:17,25 80:3 86:12 87:20 88:2,17 vii 64:17 virginia 1:12 2:7 vis 25:16,16 vjoc 11:4 40:7,7 | 41:19 45:6 46:10 49:20 53:7 59:20 65:2 65:10 67:2 86:7 86:25 87:12 88:24 89:17 90:6 ways 65:18 93:12 we've 30:22 93:9 web 35:18 43:18 88:1,2,8,12 89:1 website 72:7 | 66:25 79:10 94:19 96:5,11 96:14 97:6,10 98:8,9,11,19 word 64:6 words 7:12 9:1 25:24 50:9 56:14 60:4 72:22 80:5 83:4 work 6:19 32:8 51:3 63:4 65:14 70:15 73:12,24 74:17,25 79:15 79:17 84:10 87:10,12,24 89:5 94:9 |

[worked - à] Page 129

| worked 6:18 | 18:15 42:3,7 |
|---------------------|------------------|
| 39:9 40:18 | 46:6 49:18 58:8 |
| 44:23 70:12 | 60:21 66:25 |
| working 10:1 | 71:12 74:5 |
| 37:3 41:4 43:15 | 82:20 87:22 |
| 43:17,22,22 | 94:24 |
| 55:6 61:16 85:4 | year 45:14 |
| 93:11 | Z |
| works 61:20 | zoom 4:17 |
| write 42:10 55:7 | à |
| 65:11,12,12 | |
| writing 41:25 | à 25:16 |
| 42:4 | |
| written 23:22 | |
| 25:21 31:5,12 | |
| 31:23 32:16 | |
| 33:19 34:3,21 | |
| 35:2,25 39:8 | |
| 46:25 47:2,4 | |
| 55:4 60:4 67:18 | |
| 67:20 83:21,22 | |
| wrong 41:24 | |
| 63:21 | |
| wrote 34:1 41:4 | |
| 44:3 47:24 | |
| 48:19 49:4 60:5 | |
| 66:13 67:3 | |
| X | |
| x 3:1 | |
| y | |
| yeah 6:1 8:7 | |
| 12:21 13:11 | |
| 14:8 16:15 | |
| | |

Federal Rules of Civil Procedure Rule 30

- (e) Review By the Witness; Changes.
- (1) Review; Statement of Changes. On request by the deponent or a party before the deposition is completed, the deponent must be allowed 30 days after being notified by the officer that the transcript or recording is available in which:
- (A) to review the transcript or recording; and
- (B) if there are changes in form or substance, to sign a statement listing the changes and the reasons for making them.
- (2) Changes Indicated in the Officer's Certificate. The officer must note in the certificate prescribed by Rule 30(f)(1) whether a review was requested and, if so, must attach any changes the deponent makes during the 30-day period.

DISCLAIMER: THE FOREGOING FEDERAL PROCEDURE RULES

ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.

THE ABOVE RULES ARE CURRENT AS OF APRIL 1,

2019. PLEASE REFER TO THE APPLICABLE FEDERAL RULES

OF CIVIL PROCEDURE FOR UP-TO-DATE INFORMATION.

VERITEXT LEGAL SOLUTIONS

COMPANY CERTIFICATE AND DISCLOSURE STATEMENT

Veritext Legal Solutions represents that the

foregoing transcript is a true, correct and complete

transcript of the colloquies, questions and answers

as submitted by the court reporter. Veritext Legal

Solutions further represents that the attached

exhibits, if any, are true, correct and complete

documents as submitted by the court reporter and/or

attorneys in relation to this deposition and that

the documents were processed in accordance with

our litigation support and production standards.

Veritext Legal Solutions is committed to maintaining the confidentiality of client and witness information, in accordance with the regulations promulgated under the Health Insurance Portability and Accountability Act (HIPAA), as amended with respect to protected health information and the Gramm-Leach-Bliley Act, as amended, with respect to Personally Identifiable Information (PII). Physical transcripts and exhibits are managed under strict facility and personnel access controls. Electronic files of documents are stored in encrypted form and are transmitted in an encrypted

fashion to authenticated parties who are permitted to access the material. Our data is hosted in a Tier 4 SSAE 16 certified facility.

Veritext Legal Solutions complies with all federal and State regulations with respect to the provision of court reporting services, and maintains its neutrality and independence regardless of relationship or the financial outcome of any litigation. Veritext requires adherence to the foregoing professional and ethical standards from all of its subcontractors in their independent contractor agreements.

Inquiries about Veritext Legal Solutions'
confidentiality and security policies and practices
should be directed to Veritext's Client Services
Associates indicated on the cover of this document or
at www.veritext.com.